

©2003

BADGER STATE

SMOKE SIGNALS

Published since 1969 • Our 34th Year  
Single Copy \$3.00

Return Address  
Kenneth A. Ebnetter  
822 Wauona Trail  
Portage WI 53901

ADDRESS SERVICE  
REQUESTED

PRESORT STANDARD  
U S Postage  
PAID  
Permit #265  
Portage WI 53901

Volume 34 No. 4 • Published Bimonthly

AUGUST 2003

2003 WISCONSIN QSO PARTY

2003 WISCONSIN QSO PARTY  
OFFICIAL RESULTS  
*www.warac.org Copyright 2003 WARAC, Inc.*  
GENERAL COMMENTS

It was an interesting year for WIQP to say the least. Some new records and one big surprise, although a pleasant one - for the first time ever, a single operator MOBILE station has scored the most points ever generated as a single operator entry in WIQP, and not only that, he did it with a strictly CW entry.

We did have some rather cold weather that almost stopped several mobiles from doing their routes, which would have prevented the rest of us from being able to get those additional contacts. Comments like - "mounting antennas at minus 7 degrees with 15 mph winds on Sunday morning" - "the short duration blizzard on Saturday nearly caused us to cancel the trip" - "coldest I can remember in 11 years of doing this mobile" - "couldn't open any windows due to cold" - "a lot of new snow on the day before the contest and a wind chill factor of minus 25" - "those temps create VERY BRIEF pit stops" - shows what a mobile encounters "and of course Wisconsin weather in March can be anybody's guess." It sure looks like the last several WIQP's have been plagued by weather problems.

Even allowing for the weather, 31 mobile stations took to the WI highways, several of them from adjacent states. Those mobiles covered a combined total of 247 counties, with the top number visited by any one of them being our winner, who started in the western side of the state and crisscrossed the state traveling thru 21 counties before he was back at home. A number of mobiles had county totals in the

double digits. Mobile stations are a really big part of what gives WIQP its high level of participation. For example, when I look at the logs of some of the out of state stations, I find that a number of them have perhaps one third to one half, or more, of their contacts with the same mobile stations over and over. I think that keeps the participation from the out of state stations at a high level. So many mobile stations doing so many counties sure does help WIQP in being one of the best QSO parties in the USA.

Our many fixed Wisconsin stations also provide a big part of the high level of participation. This year we had 93 fixed stations send in logs. That high level of participation from Wisconsin fixed stations is the other half of the effort that WI stations put out on behalf of WIQP.

We continue to believe that the WIQP method of having one overall winner in each of three areas, is the way to go - as we believe that has provided the incentive to stations to not only participate in WIQP but raise the competition level a notch or two. We award a plaque to the highest score from a Wisconsin club, a plaque to the highest score from a Wisconsin single operator station and a plaque to the highest score from an out of state single operator station. We think if you ask any winner to see their plaque that you will find it in a place of honor, based on comments we have had from winners after us awarding it to them.

Now on to the specifics. The plaque for the Wisconsin Club Competition. We had entries from 27 WI clubs ( we use 50 miles around the club center, except for mobile stations ), with lots of effort by the participants.

*(Continued on page 9)*

Check us out on the web at  
Http://www.bs...ss.org

2003 Scholarship Winners

The Foundation for Amateur Radio (FAR) has announced the recipients of scholarships for 2003. Wisconsin recipients were:

Ozaukee Radio Club Scholarship - \$1000: Jayson J. Kempinger, KB9VGF - Milwaukee

South Milwaukee Amateur Radio Club Scholarships - \$1000: Michael J. Haessler, KB9TGF - Waupaca

WARAC Memorial Scholarship - \$1500: Nicholas J. Luther, K9NL - Oshkosh

Radio Club of America Scholarships - \$1000: Andrew A. Knitt, KB9JOZ - Rhineland

Andrew J. Wagner, KB9TAC - Menomonie

These and other scholarships were open to all licensed Radio Amateurs meeting the qualification and residence requirements of the various sponsors. The Foundation is a non-profit organization incorporated in the District of Columbia, representing more than fifty Amateur Radio clubs. It is devoted exclusively to the scientific, literary and educational pursuits that advance the purposes of te Amateur Radio Service.

The announcement for the year 2004 awards will appear in the January or February issues of the major Amateur Radio publications and selected radio club newsletters. FAR Scholarships, Post Office Box 831, Riverdale, MD 20783.

Flipping the pages

What's Happening, Swapfests .....2

Club Meetings .....2

Wisconsin Nets Association .....4

The Computer Corner, Stan Kaplan .....5

Monthly Wisconsin Section News .....5

Mancorad Radio Club .....6

Wisconsin Valley Radio Association .....6

Buy-Sell-Swap.....7

The Test Point - VE examinations .....9

Net/Rom Node Information .....10

The Wisconsin Packeteer .....10

Circus City Swapfest flyer .....11

Yellow Thunder Amateur Radio Club .....11

WVRA Ham of the Year, W9NA .....11



# WHAT'S HAPPENING

## Swapfests and Other Social Events — Club Meetings Amateur Radio Exam Schedules

Edited by Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage WI 53901 — [kenneth.ebnetter@verizon.net](mailto:kenneth.ebnetter@verizon.net)

### Swapfests And Other Social Events

August 9, 2003, Alpha, MI (Upper Peninsula)

Swapfest-Hamfest sponsored by the Iron Range ARC. 0900 to 1500. Tables \$6.00 or 3 for \$14.00. Inside handicapped access gym with easy ground level access. VE testing upon request 2 weeks prior to the Hamfest Contacts: LeRoy Anderson, N8WQG, (906) 265-3960. [leand@up.net](mailto:leand@up.net) or Kenneth Hookenson, N8XTC, (906) 265-5430. [hooken@ironriver.tv](mailto:hooken@ironriver.tv)

August 9, 2003, Baraboo, WI  
Seventh Annual Circus City Swapfest, Saturday, August 9, 2003, 7:00 am till Noon. Sauk Co. Fairgrounds, Baraboo, WI. Vendors, tailgate area, free parking, camping, VE testing. For info, contact: Steve, N9UDO, 608-356-2313 or [n9udo@yahoo.com](mailto:n9udo@yahoo.com). Website [www.qsl.net/ytarc/hamfest.htm](http://www.qsl.net/ytarc/hamfest.htm).

August 10, 2003, Peotone, IL  
Hamfesters Radio Club Hamfest, Will County Fairgrounds. For information visit website [www.hamfesters.org](http://www.hamfesters.org)

September 6, 2003, Eau Claire, WI  
Eau Claire Hamfest, Saturday September 6, 2003, Eau Claire County Exposition Center. Same location as last six years. Doors Open 8:00 AM to 2:00 PM. Vendors: ARRL, Tower Electronics, Burghardt Amateur Center, QSL USA and many more! Door and Raffle Prizes. Admission \$5.00, Tables \$ 10.00. Tailgating - FREE with paid admission. FREE COFFEE - The Coffee is always Free at the Eau Claire Hamfest. If you can't find what you want at the Eau Claire Hamfest, you probably didn't need it. Information: Jim Staatz KG9RA KG9RA@charter.net. Phone 715-838-9108. Web Page: [www.ecarc.org](http://www.ecarc.org).

September 19-21, 2003, Peoria, IL  
Peoria Superfest 2003. Exposition Gardens Fairgrounds, 1601 W Northmoor Rd., off 6300 N. University, Peoria, IL. Contact: Peoria Superfest, PO Box 3508, Peoria, IL 61612-

3508. InfoLine: (309) 692-3378. E-mail: [w9uvi@arrl.net](mailto:w9uvi@arrl.net) Website: [www.w9uvi.org](http://www.w9uvi.org).

September 27-28, 2003, Grayslake, IL  
Radio Expo 2003. September 2003, Lake County Fairgrounds, Rts 45 & 120, Grayslake, IL. Grounds Open from Thursday at noon. Flea Market open both days at 6 AM. Exhibit Buildings open Sat 8 AM to 4 PM, Sun 8 AM to 3 PM. The Chicago FM Club. Questions??? Call Radio Expo 630-628-1501 (Voice-Mail & FAX). <http://www.chicagofmclub.org>.

November 2, 2003, Fox Cities/Appleton, WI

Fox Cities Amateur Radio Club (W9ZL). New Location. Waverly Beach (inside) at the North tip of Lake Winnebago. Waverly Beach, N8770 Fire Lane 1, Menasha, WI. For information contact: [www.w9zl.org](http://www.w9zl.org), [N9RJZ@tponet.com](mailto:N9RJZ@tponet.com) (John), or (920)729-0797

January 3, 2004, Waukesha, WI  
32<sup>nd</sup> Annual Midwinter Swapfest, sponsored by the West Allis RAC. Waukesha County Expo Center Forum, Waukesha, WI. For information contact: [www.warac.org](http://www.warac.org),

WARAC Swapfest, PO Box 1072, Milwaukee, WI 53201, or Phil, W9NAW, (414) 425-3649

March 14, 2004, Wisconsin QSO Party.  
Sponsored by the West Allis Radio Amateurs Club. For information contact: WARAC, PO Box 1072, Milwaukee, WI 53201-1072 or [www.warac.org](http://www.warac.org)

March 21, 2004, Jefferson, WI  
Tri-County Amateur Radio Club, Jefferson County Fairgrounds, Activity Center, Hwy 18 West, Jefferson, WI. For information contact: TCARC, 213 Frederick St., Fort Atkinson, WI 53538, [www.cmdline.com/tcArc/jsatt@ticon.net](http://www.cmdline.com/tcArc/jsatt@ticon.net) or (920) 563-6381 (evenings), (200 563-9551 (fax)



Appleton  
FOX CITIES AMATEUR RADIO CLUB Meetings: Third Mondays, 7 p.m., Columbus Club, 2531 N. Richmond Street, Appleton, WI Information: Pat, K9IK, 920.725.1149. [PLa-tour428@aol.com](mailto:PLa-tour428@aol.com) Web: <http://www.w9zl.ampr.org/>.

Baraboo  
BADGERLAND AMATEUR TELEVISION SOCIETY (BATS) Check BATS Web page: <http://www.shopstop.net/BATS/>

Baraboo  
YELLOW THUNDER AMATEUR RADIO CLUB Meetings: See the YTARC column elsewhere in this issue for meeting times and locations. For further information: <http://www.qsl.net/ytarc>.

Dubuque, IA  
GREAT RIVER AMATEUR RADIO CLUB Meetings: First Monday of each month, 7 p.m. at the Red Cross Center, 2400 Asbury Road. The club serves the tri-state area. On the Web: <http://www.qsl.net/wb0lob/>. Information or questions to: [N0hdc@aol.com](mailto:N0hdc@aol.com).

Eau Claire  
EAU CLAIRE AMATEUR RADIO CLUB Meetings: 2nd Tuesday - 7 p.m., Eau Claire Parks & Recreation, 1300 First Ave., Eau Claire, WI 54703. All hams and guests welcome. W9EAU repeater 146.91 MHz, tone 110.9 Hz. Information: Jim Staatz, KG9RA, President, P.O. Box 1867, Eau Claire, WI 54702-1867. Phone

(Continued on page 3)

## Badger State Smoke Signals

### *Amateur Radio Education and Information*

**CHAIRMAN/PUBLISHER:** Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage, WI 53901. Telephone (608) 742-3560. e-mail to: [kenneth.ebnetter@verizon.net](mailto:kenneth.ebnetter@verizon.net)

**EDITOR:**

**TREASURER:** Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage WI 53901.

**EDITORIAL BOARD:** Ken Ebnetter, K9EN; Don Evenson, K9JYX.

### Subscription Rate

1 year (6 issues—bi-monthly)\$13.95

A subscription form is in this issue. Special club package reduced rates are available. For information, contact Ken Ebnetter, K9EN.

### When to Send It

The closing date for each issue is the first of

the month before the issue date. For example, the closing date for the May issue is April 1. The only exception is for participating clubs' minutes. Participating clubs are requested to send their material no later than FIVE DAYS after the club's meeting. For example, if a club meets on the 4th of the month, the material should be sent no later than the 9th of that month. This material is to be sent to the Editor.

### Where to Send It

Address changes and corrections, and exchange papers should be sent to Ken Ebnetter. Editorial material, photographs, and feature articles should be sent to Ken Ebnetter, K9EN.

Web page material should be sent to [n9qa@arrl.net](mailto:n9qa@arrl.net) (Dave Knaus, N9QA).

Inquiries about advertising should be directed to Ken Ebnetter.

Club, swapfest, and Test Point information should be sent to Ken Ebnetter.

**Swapfest ADS should be sent to Ken Ebnetter, K9EN no later than eight weeks before the events date.**

Subscriptions should be sent, with check or money order, to Ken Ebnetter.

### Conditions for Reprinting or BBS Posting Material from Badger State Smoke Signals

Permission is hereby granted to reprint articles or posting articles on radio or telephone bulletin boards from *Badger State Smoke Signals*, providing credit is given to the original author, publication in which the article first appeared, and to *Badger State Smoke Signals*.

This newspaper is produced by volunteer radio amateurs, and is non-profit. This newspaper is mailed from Portage, WI 53901.

*Badger State Smoke Signals* is incorporated as a Wisconsin non-stock, non-for-profit organization.

### Editorial Disclaimer

The opinions expressed in editorials, guest editorials, columns, articles, and letters from readers are the opinions of the authors only, and do not, unless otherwise stated, express or imply endorsement by *Badger State Smoke Signals*, or by any other individual or organization.

(Continued from page 2)  
(715) 838-9108, Email [kg9ra@ecarc.org](mailto:kg9ra@ecarc.org). Web page: <http://www.ecarc.org>

Fond du Lac  
FOND DU LAC AMATEUR RADIO CLUB  
Meetings: Second Monday at Moraine Park Technical College, Fond du Lac, WI. Time: 7 p.m. Sunday net: 7:30 p.m. CDT, K9IA repeater, 145.430 - PL 107.2 Information: Jack Heil, KG9IN, 920.922.1413. Email: [kg9in@fdlhams.org](mailto:kg9in@fdlhams.org) Web: <http://www.fdlhams.org>.

Fort Atkinson  
TRI-COUNTY AMATEUR RADIO CLUB  
Thursday monthly except June to August, 7 p.m., at Dwight Foster Public Library in Fort Atkinson. ARES Net each Wednesday evening at 8 and club net Monday evenings at 8 on 145.49 repeater. Contact: Glenn Eisenbrandt, WA9VYL, 920.563.6502, or John Satterlee, WA9SAB, 920.563.6381.

Grafton  
Ozaukee Radio Club (ORC) Second Wednesday of each month at 7:30 p.m. Grafton Multipurpose Senior Center, 1665 7th. Ave., Grafton, Wisconsin [www.qsl.net/orc/](http://www.qsl.net/orc/).

Green Bay  
GREEN BAY MIKE AND KEY CLUB Meetings: Second Thursdays, 7:30 p.m., Media Services area of J. M. Science Building at St. Norbert College in DePere. Information: Kevin at [kb9sne@yahoo.com](mailto:kb9sne@yahoo.com).

Green Lake  
GREEN FOX AMATEUR RADIO CLUB  
Greater Green Lake County area. Meetings: Third Mondays, 7:30 p.m., Green Lake Town Hall, intersection of County Highways K and N.

Hudson  
St. CROIX VALLEY RADIO AMATEURS  
Meetings: Third Tuesdays, St. Croix County Emergency Government Center, Carmichael Road, Hudson. Short business meeting at 7:30 p.m. followed by program. Talkin: 145.13 MHz. All are welcome!

Juneau  
ROCK RIVER RADIO CLUB Meetings: First Tuesdays, 7:30 p.m., Dodge County Administration Building, 127 East Oak Street, Juneau, WI. ARES Nets: 146.64 (-600) Mondays, 7:30 p.m., Saturdays, 7277 KHz, 10:30 a.m.

Madison  
SPACE PLACE AMATEUR RADIO CENTER  
No meetings. Located on U.W.-Madison campus. Guest operators are welcome to operate the U.W. Space Place Amateur Radio Station, N9UW. Information: Don Michalski, W9IXG, President, (608) 263-4685. Email: [n9uw@sal.wisc.edu](mailto:n9uw@sal.wisc.edu).

Madison  
BADGER AMATEUR RADIO SOCIETY  
University of Wisconsin - Madison/W9YT Meetings: Third Mondays at 7:00 p.m. in UW Union South. Room number posted on the Today in The Union board. Information: Don Michalski, W9IXG, (608) 263-4685. Email: [w9ixg@arrl.org](mailto:w9ixg@arrl.org). Web: <http://www.qsl.net/w9yt>.

Madison  
Madison DX Club, meetings are on every fourth Tuesday of each month; see <http://>

<http://>madisondxclub for more details.

Madison  
FOUR LAKES AMATEUR RADIO CLUB  
Meetings: Third Tuesdays, 7:30 p.m., Red Cross Building, 4860 Sheboygan Avenue, Room C, downstairs. First building west of Hill Farms State Office Building.

Manitowoc  
MANITOWOC COUNTY RADIO AMATEURS (ManCoRad) Second Wednesday of each month. Club board meets at 6:30 p.m., and Regular meeting is at 7:30 p.m., at 1105 Fleetwood Drive, 2nd floor (Old County Shop building on northwest side of city.) Additional information: Fred Neuenfeldt, W6BSF, (920) 682-9312. Email: [fredw6bsf@lakefield.net](mailto:fredw6bsf@lakefield.net).

Marinette WI  
Menominee MI  
Amateur Radio Club Meetings held second Thursday 7:00PM each month BAMC Tenth Avenue Menominee Michigan in the basement. Guests welcome e-mail secretary [kg9ad@arrl.net](mailto:kg9ad@arrl.net)

Medford  
Black River Amateur Radio Association Meetings: Normally the first Thursday of each month. Usual meeting time is 7 PM. Most meetings are held at the Taylor County Courthouse. Directions: Those attending should park in the main courthouse parking lot on the east side of the building, and enter using the main courthouse entrance or the sheriff's dept. entrance. Proceed to the lower level of the courthouse using the stairs or elevator. We meet in the "break room" on the lower level, near the Emergency Government office. Talk-in on the 147.15 repeater (114.8 Hz PL, +600 kHz offset) and 146.52 MHz simplex. Contact: Mike Schoenfuss, N9GHZ, P.O. Box 401, Abbotsford, WI 54405. Phone: (715) 223-3996.

Menomonee Falls  
FALLS AMATEUR RADIO CLUB, INC. Meetings: Last Wednesdays at Bank One building in Germantown. Doors open 7 p.m. Meeting time: 7:30 p.m. Guests are welcome!

Menomonie MI  
Saturday coffee at Burger King, 544 Main Street, at 9 a.m. Social hour on 4th Tuesdays at 7:00 p.m. at the Depot, 2616 Hills Court, north of Walmart on highway 25 North, in January, March, April, and September through November. Guests welcome!

Milwaukee  
GREATER MILWAUKEE DX ASSOCIATION  
Meetings: Fourth Monday of month, 7:30 p.m. Contact any GMDXA member, or Gary Schwartz, K9GS, (262) 363-4439. Email: [garyk9gs@arrl.net](mailto:garyk9gs@arrl.net).

Milwaukee  
MILWAUKEE RADIO AMATEURS CLUB  
Meetings: Last Thursdays, 7:00 p.m. Redemption Lutheran Church, 4057 North Mayfair Road, Wauwatosa, WI. Mailing address: P.O. Box 070695, Milwaukee, WI 53207. Web: <http://www.qsl.net/mrac> . Email: [w9rh@arrl.net](mailto:w9rh@arrl.net).

Monomonic  
RED CEDAR REPEATER ASSOCIATION, INC. Saturday coffee at Hardee's in North Monomonic, corner of Highways 12 and 25 at 9 a.m. Social hour on 4th Tuesdays at 7:30 p.m. at the Peppermill Too, 1414 9th Street in the L-Mart

Shopping Center in January, March, April, and September through November. Guests welcome!

Northeast Area  
NORTHEAST WISCONSIN DX ASSOCIATION Meetings quarterly: April 28, Marinette; August 25, Fox Valley; November 10, Green Bay. For specific information about meetings, check <http://home.new.rr.com/newdxa/>. Contact us at [w9dxa@arrl.net](mailto:w9dxa@arrl.net).

Oak Creek  
SOUTH MILWAUKEE AMATEUR RADIO CLUB Meetings: First Wednesdays, Legion Post #434, Shepard Ave., Oak Creek, WI. In March and October the meetings are turned into Auction Nights. Swapfest July 6, 2002. The club WEB site is [www.qsl.net/wa9txe](http://www.qsl.net/wa9txe)

Onalaska  
RIVERLAND AMATEUR RADIO CLUB Meetings: First Tuesdays, 7 p.m., Onalaska Community Center. More information: <http://www.qsl.net/wr9arc/> . Email: [wr9arc@qsl.net](mailto:wr9arc@qsl.net).

Oshkosh  
RADIO AMATEURS OF WISCONSIN (R.A.W.) Meetings: Third Saturday monthly, locations vary. R.A.W. is a family oriented club. Most of its meetings revolve around family doings and outings. We are always looking for good people to join us. If you are a ham or interested in ham radio, contact Mark Miller, N9WT, (920) 231-1662, or Duane Ritschke, W9UDX, (920) 233-1684.

QCWA Chapter 162  
QUARTER CENTURY WIRELESS ASSOCIATION (QCWA) Southeastern Wisconsin Chapter 162. Meetings: Third Monday in January, March, May, July, September, and November, 7:30 p.m., usually at Meadows Restaurant, Franksville, WI. Social events: Third Sundays in February, April, June, August, and October. Christmas party: Usually second or third Sunday in December.

QCWA Chapter 55  
QUARTER CENTURY WIRELESS ASSOCIATION (QCWA) Wisconsin Chapter 55 meets the first Saturday of June and October. For information about Chapter 55, contact Ron Yokes, W9BCK, Secretary, 612 N. Pt Washington Road, Grafton, WI 53024-9703. (262) 375-1774. [mailto:ryokes@execpc.com](mailto:mailto:ryokes@execpc.com).

Racine  
LAKESHORE REPEATER ASSOCIATION  
Meetings: Last Tuesday, January, April, July, October. New meeting location to be announced.

Racine  
RACINE MEGACYCLE CLUB Meetings: Second Mondays, 7:30 p.m., New meeting location to be announced.

Rhinelanders  
NORTHWOODS AMATEUR RADIO CLUB  
Meetings: Third Tuesday of Sept., Nov., Dec., Feb., and April for dinner business meetings at Ella's Restaurant, Jct. of Hwy. 51 and 70, north side of Woodruff, WI. Talkin on Sayner or Tomahawk repeaters. The Northwoods ARC News is on the club web site. <http://www.freecycle.com/members7/nwarc>.

Sheboygan  
SHEBOYGAN COUNTY AMATEUR RADIO CLUB Meetings: Second Tuesdays. 7 p.m., Sheboygan County Red Cross/Boy Scout Building,

2032 Erie Avenue.

Shell Lake  
NORTHLAND AMATEUR RADIO CLUB  
Meetings: First Tuesday at the Shell Lake United Methodist Church, Reinhart Drive, Shell Lake, WI. Meeting time: 7 p.m. More information: <http://home.centurytel.net/NorthlandARC/>.

Stevens Point  
CWRA Ltd./UWSP ARC Meetings second Wednesday. of each month at 7:30 pm. Science Building on the UW-Stevens Point Campus, Room A107, Stevens Point, WI. Email: [jglas776@uwsp.edu](mailto:jglas776@uwsp.edu). Webpage: [www.qsl.net/wb9qfw](http://www.qsl.net/wb9qfw).

Superior  
ARROWHEAD AMATEUR RADIO CLUB, INC. Meetings: Second Tuesday at WITC Conference Center, 600 N. 21st St., Superior, WI. Time: 7:30 p.m. Board meetings held before regular meetings.

W.A.R. WISCONSIN ASSOCIATION OF REPEATERS  
Quarterly meetings of the Wisconsin Association of Repeaters are held at various locations around the State on the second Saturdays of March, June, September and December. Check the WAR web page for meeting announcements and repeater coordination info. Information: <http://www.wi-repeater.org>.

Watertown  
WATERTOWN AMATEUR RADIO CLUB  
Meetings: First Thursdays of month, 7 p.m., Watertown Public Library, 100 South Water Street.

Waupaca  
WAUPACA AMATEUR RADIO CLUB CQ  
First Tue. Social gathering and Dutch treat luncheon, King's Table, King, WI, on Highway QQ, just south of Highways 10 and 54, west side of Waupaca. Gather at 11 to 11:30. Order at noon. Club business transacted. CQ Third Fri. Social gathering and Dutch treat dinner. Semi-formal, OM and XYL, at one of the better supper clubs in the area. Check: Waupaca 147.39 nets at 8 a.m. or 8:50 p.m. for month's meeting location.

Wausau  
WISCONSIN VALLEY RADIO ASSOCIATION Meetings: First Tuesdays, 7:30 p.m. Location varies. Information: 146.64 (-600). <http://home.dwave.net/~wvra/>.

West Allis  
West Allis Radio Amateur Club Second Tuesday of each month at 7:30 p.m. St. Peter's Episcopal Church, 80th and Lincoln Ave., West Allis. Meetings in basement. Entrance at rear, off alley. Handicapped accessible. [www.warac.org](http://www.warac.org).

West Bend  
WASHINGTON COUNTY AMATEUR RADIO CLUB Meetings: Second Thursdays, 7:30 p.m., Washington County Courthouse. Net: Thursdays, 7:30 p.m., 146.73 (-600).

Wisconsin Rapids  
WISCONSIN RAPIDS AMATEUR RADIO CLUB Meetings: Third Wednesdays, 7 p.m., Room 14 of Wood County Courthouse. Talkin: 146.79 (-600) for entry into the building.



# Wisconsin Nets Association Ltd.

Dean R. Herriges, KB9ROB, Secretary  
W370 S9590 Highway 67 • Eagle, WI 53119

## WISCONSIN NETS

Net	WNA	Freq.	UTC	CDT	Manager
BWN	YES	3985	1100	0600	W9RCW
BEN	YES	3985	1700	1200	KE9VU
WSBN	YES	3985	2230	1730	N9ZET
WNN	YES	3723	0100	1800	KB9ROB
WSSN	YES	3645	0130	1830	WA9ZTY
WIN/W	YES	3662	0200	1900	WB9ICH
WIN/L	YES	3662	0300	2200	W9UW
RCRA	NO	01/61	0030	1930	KA9OMC
(Mondays CDT— Menomonie Area)					
Green Bay Area	NO	72/12	0245	2145	WB9NRK
ARES	NO	4.65/5.25	0200	2100	
(South East/South Central Wisconsin)					

### Section Traffic Manager’s Report Wisconsin, May 2003

FAQ #11 Where do *second goes* go? Net controls know that traffic nets are for traffic and visiting comes second. To hold the net open for late checking with traffic or who can handle traffic, the NCS may start a roundtable. This adds to the camaraderie of the net and lets stations get used to the voice and style of each operator. Frequently, the NCS will list the traffic outstanding and stand by for additional check-ins. It’s nice to hear net members’ comments, but second goes always go after traffic handling.

FAQ #12 Why should I volunteer as NCS?

Every net needs a net control station. It’s the operator who calls up the net, keeps things organized, and arranges for traffic to be passed efficiently. It’s not a difficult task (See [How to be an NCS](#) on the ARRL Wisconsin section page). It takes little time more than the duration of the net, and it provides two valuable services.

(1) Having an NCS allows the net to function by handling the listed traffic, accepting the liaison from other NTS nets, designating liaison to subsequent nets, in short, carrying out the business of the net. It lets check-ins list traffic, test equipment, and build camaraderie with other members of the net. It keeps order – recognizing stations and calling on the next station to transmit. Without an NCS, it’s just a frequency with a roundtable discussion.

(2) Taking on the duties of the NCS trains the volunteer **and** the net members. It sharpens skills in listening, organization, and decision making for the NCS. It lets check-ins get used to a new voice, a new style. If they are considerate, they will practice adjusting their timing for checking in to make it easier for the new NCS. Learning that flexibility is good training for any net – whether it’s for severe weather, disaster relief, or traffic handling.

Train yourself; train the check-ins. Train, train, train. I know it sounds like I’ve got a one-track mind, but it’s time some folks were railroaded into being a volunteer NCS.

73 – K9LGU/STM WI

### Section Traffic Manager’s Report Wisconsin June 2003

FAQ #13 What if I forget? Amateurs are an understanding lot. We recognize that there are other parts to life beyond Ham Radio. We accept that an operator’s life may be filled with more than his hobby, and we agree that (perhaps except for Field Day) radio operation must be kept in perspective. So we know that Hams, too, forget.

If you forget when the sec-

tion net meets, you can find it through the ARRL web page by clicking on the Wisconsin section. If you forget how to handle a message, you can find ARRL Operating Aid FSD-218 on the ARRL web page or in your mailbox, if you ask your STM for a copy. If you disremember where you put your list of ARL Numbered Radiograms, you can download one from ARRL, or I will be glad to send you one, so it will be handy the next time you deliver a message.

If you forget how to count the check or how voice traffic is

sent, links to instructions are on Don’s Wisconsin web page at ARRL. If the names or locations of other stations who check into the Wisconsin nets don’t readily come to mind, get a QNI Index from your STM or copy it from the ARRL Wisconsin Web page link. In fact, if you can’t remember the name or face of that old-timer who checked WIN in 1959, there’s even a link to a special photo from the same ARRL page.

And if you are worried about forgetting things, forget it.

73 -- K9LGU/ STM WI

### WISCONSIN SECTION MONTHLY NET ACTIVITY SUMMARY May 2003

NET	QNI	QTC	QTR	SSNS	NM
BWN	1427	1649	2325	31	W9RCW
BEN	465	52	844	31	KE9VU
WSBN	638	59	848	31	K9FHI
WNN	193	19	331	29	KB9ROB
WSSN	222	33	373	30	WA9ZTY
WIN/E	273	57	352	31	WB9ICH
WIN/L	287	54	442	31	W9UW
WRACES	122	4	157	4	N6NKO
Totals	3627	1927	5672	218	

### WISCONSIN SECTION STATION ACTIVITY SUMMARY May 2003

STATION	ORIG	RCVD	SENT	DLVD	TOTAL
K9JPS	0	451	35	436	922 - BPL
W9RCW	0	393	22	188	603 – BPL
K9GU	0	137	27	171	371 – BPL*
W9IHW	0	138	33	123	294 – BPL*
N9VE	0	124	21	116	261 – BPL*
W9CBE	0	112	102	3	217
K9LGU	2	70	31	3	106
AG9G	0	22	71	0	93
WA9ZTY	0	33	55	0	88
W9BHL	0	12	45	0	57
KE9VU	0	22	32	0	54
K9FHI	0	22	22	0	44
W9UW	0	32	6	3	41
KA9RZL	1	18	12	5	36
KG9B	0	3	30	0	33
AA9BB	0	0	27	0	27
WB9ICH	0	20	5	1	26
KB9ROB	0	22	4	0	26
W9RSX	0	1	9	1	11
K9UTQ	0	1	4	0	5
W9PVD	0	1	2	0	3
N6NKO	0	0	3	0	3

### WISCONSIN SECTION P S H R SUMMARY May 2003

CALL	1	2	3	4	5	6	T
K9JPS	37	40	10	205	0	0	292
N9VE	20	40	30	125	35	0	250
N6NKO	16	3	30	75	30	20	174
WA9ZTY	40	40	30	25	20	0	155
AG9G	40	40	30	30	0	0	140
W9RCW	40	40	30	25	0	0	135
KG9B	26	30	20	40	0	10	126
K9LGU	40	40	30	5	10	0	125
W9BHL	40	40	30	0	0	0	110
KB9KEG	40	36	20	0	0	10	106
KA9RZL	40	36	20	5	0	0	101
W9CBE	40	40	20	0	0	0	100
W9RSX	40	11	10	0	0	0	61

### WISCONSIN SECTION MONTHLY NET ACTIVITY SUMMARY June 2003

NET	QNI	QTC	QTR	SSNS	NM
BWN	1366	1695	2250	30	W9RCW
BEN	419	35	679	30	KE9VU
WSBN	587	83	916	31	N9ZET
WNN	126	26	315	26	KB9ROB
WSSN	176	29	322	28	WA9ZTY
WIN/E	237	62	297	29	WB9ICH
WIN/L	272	55	380	30	W9UW
WRACES 0	0	0	0	N6NKO	
totals	3183	1985	5159	204	

(Continued on page 8)

# The Computer

By Stan Kaplan, WB9RQR • 105 Martin Drive  
Port Washington, WI 53074-9654  
(262) 284-9346  
Skaplan@mcw.edu



## THE COMPUTER CORNER No. 110. More Feebies

Here is a tip sent to me by Paul Nelles, K9DB, of Mosinee, Wisconsin, that will provide you with a free copy of TurboCad, a 2-dimensional drafting program. Go to <http://www.imsisoft.com/free/> to download a copy of the program (16 Mb), a very nice Quick Tour (6.2 Mb) and a complete documentation file (4.1 Mb). Now get this. The package is fully functional and has no expiration date! It is powerful enough to create 2D drawings, yet easy enough to learn even by occasional users (especially with the Quick Tour, which is really quite well done and very useful). Drawings you make with it can be ported into Microsoft Office products (as well as other application programs). According to the company, "IMSI is making its Learning Edition available for free, with the firm belief that users will love the TurboCad product and will want to upgrade to our latest 2D/3D versions." The only caveat is that you furnish them with contact information so they can advise you of upgrades (and, if you choose, you can opt out of the email contacts later). That's pretty reasonable for a useful tool! Who can't use a good drawing program? I downloaded it and found it really excellent. Thanks for that tip, Paul.

And, that is not all that Paul sent. Here are some more interesting tidbits.  
Go to <http://www.rmra.ws/>

## Wisconsin Section News Summary June 2003

WISCONSIN: SM: Don Michalski, W9IXG, SEC: WB9RQR, STM: K9LGU, ACC: Open, SGL: AD9X, OOC: N9VE, PIC: W9UQ, TC: K9GDF, BM: WB9NRK, ASM: K9UTQ, W9RCW, W9CBE, N9VE.

With regret, I inform you of the following Silent Keys: K9QXM, Gerald Galvin, 80. Gerald was a member of the ORC. Ron T. Armstrong, WB9WRW, 56, passed away. Ron was former EC for Waukesha County and a member of the Kettle Moraine Radio Amateur Club and Local Emergency Field Radio Operating Group. UW-Stout recently graduated 81 new hams in one day at a single VEC session!

Congratulations to John Weiss Jr, WB8KLO, and the VE team for this amazing accomplishment. Hear it at: <http://tapr.org/newsline/index.html#1343>. Our appreciation to Fred, N9ZET, for becoming WSBN manager. He takes over after Roy, K9FHI, decided to take a vacation after many years as Net Manager. Thanks, for all your hard work, Roy!

Congratulations to Eric Shulze, KC9CRI, age 15, for passing EmComm level #1! Eric hopes to pass all 3 EmComm levels and become, perhaps, the youngest WI Ham to do so.

We are approaching Field Day, June 28-29,

rmra\_WotM.html, which is the Rib Mountain Repeater Association's past "Websites of the Month" page. Each site should be self explanatory. You might want to pay particular attention to:

- Celestia = A super astronomy program that lets you fly through the solar system and galaxy and view things in from any vantage point and time.

- Sky and Telescope's Interactive Sky chart = Java applet that will display how the sky will appear from any location and time.

- Interactive Smith Chart = Java applet that demonstrates how a Smith Chart works.

- Spacecraft models = A list of sites that have downloadable printable spacecraft models. Pay special attention to the shuttle and ISS models available from the MARS center in Italy. Also note we have an RMRA designed printable model of AO-40 at [http://www.rmra.ws/rmra\\_AO40\\_model.html](http://www.rmra.ws/rmra_AO40_model.html)

- W7MD AZ-PROJ = This site will print a polar projection map of the world centered on your QTH.

- Wisconsin DOT = Maps of all 72 Wisconsin counties in .pdf format.

Happy computing!

and I hope everyone is looking forward to participating. Remember, the theme this year is "When all else fails...." I suggest putting up a banner at your club site to remind the public of one of the reasons for this exercise. I encourage your club to invite the media and public to attend and even get behind the microphone to feel the excitement of making a few contacts. No better way to Understand than to get one's feet wet. So, leave some room for guests to operate. Don't forget to take advantage of the traditional ARRL Field Day Pins and T-shirts. New for this year are the GOTA (Get on the Air) pins and T-shirts. Go to the ARRL catalog site. Order now!! I look forward to receiving your Field Day reports.

Congratulations to Tony Lattis, age 11, KC9EFF, for receiving his Technician license! We hope he makes use of his new VX5R (courtesy of proud dad, Jim, K9REO) in Madison's public service events!

If your club isn't sending me a newsletter, please put me on the list. I accept most electronic formats as well as hard copy. Your club activities are important to me so keep me posted!

Is your receiver buzzing? Could be a sign that your nearby power pole is experiencing dangerously high leakage currents that could result in a pole fire! That's the time to contact your power company to check it. Thanks to K9KR of WARAC for the warning!

The Badger Examiners, headed by Gary Sharbuno, W19M, and Mickey, KB9G, are still moving strong after 18 years! Our appreciation to these VEs for their contributions for these many years!

T'is the season for public service events. I'm sure there are many organizations in your area that could use communication support and we hope you are involved with organizing or participating in these worthwhile events. Try to encourage the new amateurs in your club to hone their operating skills and perform a valuable service to the community. Don't let those without any equipment off the hook. Many of us have backup HTs that can be loaned to the new amateurs for these events. Give them the chance to join the fun!!!

From Denny, K9LGU, STM: STM Notes for May - A traffic net should, first and foremost, handle traffic. Net controls know this and always pass traffic before any visiting. Why should you volunteer as NCS? (See How to be an NCS on the ARRL Wisconsin section page) Every net needs a net control station to call up the net, keep things organized, and arrange for traffic to be passed efficiently. Volunteering as NCS provides two valuable services.

- (1) It allows the net to function by handling the listed traffic and establishing the liaison from other NTS nets.

- (2) It trains the volunteer NCS and the net members. It sharpens skills in listening, organization, and decision making for the NCS. It lets check-ins get used to a new voice, a new style. Train yourself; train the check-ins. Train, train, train. I know it sounds like I've got a one-track mind, but it is time some folks were railroaded into being a volunteer NCS.

We hope everyone is having an enjoyable and active summer! 73, W9IXG

## Wisconsin Section News Summary July 2003

WISCONSIN: SM: Don Michalski, W9IXG. BWN 3985 0500-0715 W9RCW. BEN 3985 1200 KE9VU. WSBN 3985 1730-1800 N9ZET. WNN 3723 1800 KB9ROB. WSSN 3645 1830 WA9ZTY. WIN-E 3662 1900 WB9ICH. WIN-L 3662 2200 W9UW. CTN 3994 Mondays @ 2000 KC9IS (All times are Central)

With regret, I inform you of the following Silent Keys: K9BMC, Donald Brisson, 64; John Hansen, 67, AA9HS; Rauland "Ron" Stevens, 77, WA9NMK. Ron was a member of Navy Marine Corps MARS for 32 years.

The Fond du Lac ARC had a successful brat fry at the Wal-Mart. This fund-raiser brought in \$350 to be used for their Mobile Communications Vehicle. Well done!

Our congratulations to Hidden Valley ARC for becoming ARRL Affiliated!!

It was a pleasure talking to the members at the Green Bay Mike & Key Club meeting!

The 370 cyclists on the Bike Northwood's Tour wish to thank W9CWD, KB9DED, K4JUM, KB9VBR, KB9WNG, N9MO, WD9CPY, N9MEA, WB2TLQ, AI9NL, AG9G, KB9TJI and KG9NG for their communication and SAG help with this year's event!

I wish to thank the following clubs & individuals for their FD reports: KF9D &

W9HB; N9ZET for Tri-County ARC; WVRA; KE6IFC for Outagamie Cty; KB9BAE for RRRC; W9VBQ; KG9RA for Eau Claire ARC; K9VSO, K9UTH, KB9SOZ; N9KQ for Hidden Valley ARC; K9AKG; W9MC for W/K ARC; N6NKO; Heytow Memorial Radio Club-K9YA. Your reports were much appreciated!! I am, also, happy to see so many Field Day articles written in the various Wisconsin newspapers.

W9C, Circus Parade special event station, is on the air from July 9 through July 12. Contact Dick, W9JBE, for details: [rwood5118@voyager.net](mailto:rwood5118@voyager.net)

Good luck to K9OT and KB9LIE on their DXpedition to Saint Pierre and Miquelon, IOTA NA-032. Listen for FP/K9OT and FP/KB9LIE during NAQP!

Section Summary from STM, K9LGU: FAQ #13 What if I forget? Hams are human; Hams forget. Don't let it worry you. If you forget when the section net meets, you can find times and frequencies through the ARRL web page by clicking on the Wisconsin section. If you forget how to handle a message, you can find ARRL Operating Aid FSD-218 on the ARRL web page or in your mailbox, if you ask me for a copy. If you disremember where you put your list of ARL Numbered Radiograms, you can download one from ARRL, or I will be glad to send you one, so it will be handy the next time you deliver a message. If you forget how to count the check or how voice traffic is sent, links to instructions are on Don's Wisconsin web page at ARRL. If the names or locations of other stations who check into the Wisconsin nets don't readily come to mind, get a QNI Index from your STM or copy it from the ARRL Wisconsin Web page link. In fact, if you can't remember the name or face of that old-timer who checked WIN in 1959, there's even a link to a special photo from the same ARRL page. If you forget anything else on a net, just ask. There are plenty of stations ready to help. So if you are worried about forgetting things, forget it. 73 -- K9LGU/STM - WI

We hope you are using the ARRL Wisconsin website: <http://www.arrl.org/sections/?sect=WI> Richard Regent, K9GDF, is our webmaster and he has done a wonderful job making it one of the best ARRL Section sites! We'd like to remind you that this is your site and if you have something you would like to post to the members, pass it on to me. If you have suggestions on what you would like to see added, please let us know! We could make it an even better resource for members with your input!

Please note that the old Section site, [www.w9ixg.eboard.com](http://www.w9ixg.eboard.com), is no longer available.

Wishing everyone an enjoyable summer! 73, Don, W9IXG [w9ixg@arrl.org](mailto:w9ixg@arrl.org)

ARRL Wisconsin Section, Section Manager: Donald E. Michalski, W9IXG [w9ixg@arrl.org](mailto:w9ixg@arrl.org)

Check us out on the web at  
[Http://www.bsos.org](http://www.bsos.org)



Mancorad Radio Club

Theresa Hartlaub, KB9KXE  
Secretary

P.O. Box 294 • Manitowoc, WI  
54221-0204



2-Meter Repeater: 146.01 Input/146.61

JUNE 2003

The meeting was called to order by President Fred (W6BSF) at 7:35. The Secretaries report was summarized and accepted by the members present. Motions by Ken (K9HAG) and Shawn (KC9AAH). Treasurers report was given by Treas. Dick (N9QFY) and accepted. Motions by John (NZ9Z) and Mary (KB9GOY).

OLD BUSINESS:

A thank you to all who worked the BMX Bike Race in Kewaunee. A short rap up report was given.

A big thank you for all who also worked for the first brat fry of the summer at Sentry on May 30-31<sup>st</sup>. A profit of \$503.43 was realized.

Also the shack was cleaned and thanks to all who came and lent a hand.

A letter was received from The Manitowoc Maritime Museum expressing their appreciation to the club for the great job that was done with the boy scouts during the over night spent on the sub. They are considering having more of these during the year. More to come in the future.

NEW BUSINESS:

On Monday, June 16<sup>th</sup> the mayor will proclaim June 28<sup>th</sup> officially Amateur Radio Recognition Day. Any one who cam attend the meeting at City Hall is invited to meet around 6:45 in the council chambers. We should be one of the first on the agenda.

Field Day is fast approaching. June 28-29<sup>th</sup> at Silver Creek Park. Set up at 9:00 Saturday and we will begin to transmit at 12:00 noon to noon on Sunday. President Fred (W6BSF) and John (NZ9Z) gave an overview of the equipment to be set up. All are invited to pitch a tent and stay overnight. A family fry out is planned for around 3:00 on Saturday. Bring a dish to pass. Let's have a great show of members at this event.

Wednesday, June 18<sup>th</sup> will be the next ARES/RACES meeting at the club shack. On Tuesday, June 24<sup>th</sup> there will be a table top exercise from 5:00 to 7:00 at the Red Cross building.

Fred passed out to all present a copy of

the script to be used for running a net. Hopefully this will encourage more people to run the nets for the club.

James (KB9GOX) reported on the Kewaunee Troutman event coming up July 19<sup>th</sup>. He can use all the help he can get. Please contact him if you can help.

Steve (N9PBL) also gave a presentation about the annual Leukemia bike race coming up July 19-20. He will need help both days. The bikers overnight at the Manitowoc UW Center. Saturday will go from around 10:30 to about 3:00. Then on Sunday, 7:30 to about 11:00 or so. Contact Steve if this appeals to you.

Certificates of Appreciation were handed out to all who helped with the sub event.

Winners of caps were Ken (K9HAG) and Carl (KA9WYK). No one won the pot which goes to \$9.00.

Meeting adjourned at 9:00. Lunch was served. Next meeting on July 13<sup>th</sup> at the club shack at 7:30. Board meeting starts at 6:30.

Respectfully submitted,  
Theresa (KB9KXE), Secretary

Meeting Attendance:

KB9KXE	Theresa
N9QFY	Dick
KB9GOY	Mary
KC9AAH	Shawn
N9PBL	Steve
N4WGK	Denise
KB9NTL	Don
K9DUX	Bill
WB9OBX	Ken
KA9WYK	Carl
W6BSF	Fred
KB9YRC	Travis
KB9GOX	James
W9NPX	Roger
N9NCU	Dan
WB9VYO	Vic
NZ9Z	John
N9QFO	Len
KB9INK	Bob
N9FVZ	Dan
KB9EME	Vern
K9HAG	Ken
KB9KXF	Gene

missing Dick (N9QFY). Motion by Ken (K9HAG) and Shawn (KC9AAH) to accept. Motion carried.

OLD BUSINESS:

A thank you card was received from the Red Cross for participation in their disaster drill held on June 24th. They were very pleased with

(Continued on page 7)

Wisconsin Valley Radio Association

Jerry Graebel - W9GLG

P.O. Box 363 • Wausau, WI

Wisconsin Valley Radio Association

Program: Field Day is June 28th and 29th. Myron, KB9STB informed the members of what the W.V.R.A. has planed. We will be at Sunnyvalle Park, just off HWY 29 at the 72nd Ave. exit, then south to the Park entrance. Letters have been sent to many Public Officials but response is slow as to their attending.

The Club will be running in Class A again (emergency power), and have 5 radios on the air at any one time. Bill, WB2TLQ will be Control Operator for the GOTA station this year. Kim, N9SDL will have his station running RTTY. Mike, KB9DED will have his Solar Power running. Jerry, W9GLG and a few other members will be operating CW. There will be a 6-meter station, a VHF/UHF all mode, an HF Voice radio and APRS and SSTV run as demo stations.

The Club is looking for a large field tent so all stations can be in one place. There are plans to have demos on antenna building. Mike, KB9VBR will build and explain VHF/UHF J-poles as well as a 6-meter beam. Bill, WB2TLQ will work on a 20-meter J-Pole he has had very good success with. Jerry, W9GLG will work on an 80-meter loop. There has also been a rumor as to trying to put a pair of old Gonset Communicators (VHF) radios on the air. If you can bring a Lap Top Computer to help logging, or can help to set up or take down the stations, please contact any of the Board members.

Please feel free to come and share in the fun and operate a station for a while. Setup will begin at Matt's, N9NMH house with packing the trailer on Friday, June 27th at about 6:00 p.m. Saturday setup will begin about 7:00 a.m. at Sunnyvalle Park. Take down will be after the event at about 1:00 p.m. on Sunday.

Meeting Minutes of June 3, 2003 at Marshfield Clinic - Wausau Center.

President Mark Rasmussen called meeting to order at 7:45 PM.

Present: W9GLG, KC9CIY, N9TTA, N3FDE, W9PBB, K9JXW, N9LIA, KC9NW, KC9DOQ, WD9CPY, W9SE, KB9ZOF, N9NRC, N9NRA, KB9YDP, WB2TLQ, KB9VBR, W9GSV, K9DB, N9NMH, KB9RXA, KC9BFW, KC9AEJ, KC9ASL, KC9DOS, N9MEA, KB9STB, K9MIX, KB9YPS, W9GSV, W9WW, N9SDL, KB9DED, N9MO, K9JPS.

Treasurer's Report: Motion to accept: KB9YDP, Second: KB9STB

Secretary's Report: Minutes of the May 6, 2003 meeting were accepted as published in Badger State Smoke Signals and/or posted on the WVRA Web Site. <http://www.wvraclub.org>.

Old Business:

1. The Capital to Northwoods Bike Tour will be in the area June 23rd and 24th. The number of volunteers look to be fine for these

days but there is a need for more help on June 26th and 27th. The tour will be in the northern part of the state and coverage is not as good, so more volunteers are needed. If you can help please contact Mike, KB9VBR at [kb9vbr@wvraclub.org](mailto:kb9vbr@wvraclub.org).

2. Mark, N9MEA passed around a picture of what the WVRA trailer will look like when it is painted. Matt, N9NMH has taken the graphics to the painter and hopes that it can be painted before Field Day. The inside of the trailer will be started after Field Day.

3. As many of the members know, Reno, W9NA is not in the best health. Some of the members have been helping his son to take down his antennas and tower. There are plans made to help to take down the tri-band beam on top of a telephone pole and to remove the poles so his family can sell the house.

4. Mark, N9MEA informed the members that KB9OBX-10 digi should be on the APRS maps from the Medford area. There has been a request for a demo of the APRS system for the members of the Club in Medford.

5. "Michael, KB9VBR, and Don, W9WW, met with the Marathon County Chapter of the American Red Cross (ARC) Executive Director, the Disaster Chairman, and other members of their Disaster Committee on May 15. Don had been called by one of the Committee members who got his name from Wausau Hospital (contact name from the Year 2000 activities 3 years ago; things do come back around). The local ARC has a new Executive Director (7 weeks new) who is very proactive and wants to get their disaster planning in good shape. He has successfully worked with ham radio operators in previous chapters and would like to have us involved in the local Disaster Plan and activities.

The Chapter has very limited communications capabilities (staff and volunteer cell phones, but not 100% coverage) and recognizes the weakness. They actually experienced it very clearly in their damage assessment activities following the tornadoes last Labor Day. Basically, they are interested in support for medium to large disaster situations, when they would have multiple assessment teams in the field, have shelters established, probably have logistical activities for supplies, possibly have Health and Welfare traffic, etc. They feel they have sufficient resources for small events, such as single-house fires or other damage, etc. And commercial communications systems aren't often overloaded for small events.

This seems like an ideal opportunity for ARES and ham radio to extend its public service activities in the Marathon County community. It is something that several local hams have tried to get started over the past several years but things never seemed to work out. In general, ARC support is not expected to compete with severe weather spotting since the latter is before the damage and

(Continued on page 7)

July 2003

Mancorad Radio Club July meeting was called to order by President Fred (W6BSF) at 7:34 p.m. The pledge was led by Bob (KB9INK).

Secretary's report was accepted by those in attendance.

Pres. Fred gave the treasurer's report for

Wisconsin Valley Radio Association

(Continued from page 6)

ARC needs are after the damage. Assuming, of course, that we don't experience a weeklong string of severe weather and extensive damage. Ugh! ARC has some questions and concerns that they are going to discuss with their national disaster consultants, who will be in Wausau at the end of the month. Assuming both sides are comfortable with going forward, we'll proceed to start the planning activities with ARC." Don, W9WW presented this to the members and asked if we should pursue the matter and the members gave 100% support.

6. Myron, KB9STB will be teaching a Red Cross First Aid Class on the 22nd of June. The location is not set but the class will begin at 6:30 p.m. If you wish to attend contact him at [kb9stb@wvraclub.org](mailto:kb9stb@wvraclub.org).

7. The 75-meter band has been very noisy as of late and the net has not been on. We hope to resume it soon so keep an ear on the band at about 3.994 or down at about 9:30 p.m. on Monday nights.

8. Bill, WB2TLQ mentioned that Kids Day is coming June 21st. He encouraged all to help and get the kids on the air and make contacts with them if you hear them. He is willing to use his station for anyone who would like to participate with his or her kids. You can contact him at [wb2tlq@wvraclub.org](mailto:wb2tlq@wvraclub.org) for more information. He also would like to have an antenna party to get a head start on Field Day on that day.

9. The WVRA Picnic will be July 8th at Marathon County Park at 6:00 p.m. Bring your own food to cook and a dish to pass if you like. Talk in will be on 146.640 pl 114.8. There will be no monthly meeting in July due to the Picnic. 10. The Lunar Eclipse Net went well. No local School made plans for the event but many people called in from the area and did get a chance to view the event on ATV. Some people checked in from their front yard in lawn chairs. In all the net went very well.

New Business:

1. Bryon, KC9BFW has made the suggestion that the members try to help the Children's Cancer patients at St. Joseph's Hospital in Marshfield by getting the kids on the air and introduce them to Amateur Radio. After much discussion the members felt it would be best to pass the idea along to the Marshfield Amateur Radio Society and offer the WVRA help and support.

2. Myron, KB9STB would like to have a VE testing session before the new question pool takes effect. At this time it will not take place, but there are plans to purchase the new videotapes for the class in the fall of this year. The idea to contact some of the other area clubs to see if they would care to share the use and expense of the tapes.

3. Matt, N9NMH will be placing an order for Anderson Power Poles. These are the new standard connectors for ARES. There is a large savings if we place a large order. For more information or to place an order, contact him at [n9nmh@wvraclub.org](mailto:n9nmh@wvraclub.org).

4. The WVRA received information about the South Milwaukee Amateur Radio Club Swap fest. It will be held July 12th at the American Legion Post 434, 9327 South Shepard Avenue, Oak Creek, Wisconsin. Talk-in will be on 146.520 simplex with the call WA9TXE.

Meeting adjourned at 9:12 P.M WB2TLQ Second - KB9VBR

The next meeting will be Tuesday August 5, 2003 at 7:00 P.M. at the Marshfield Clinic Wausau Center Cafeteria. (Formerly known as the Wausau Medical Center). Park and enter from the Employee parking lot on west side of the building. Call in on 2-meter club repeater if you need directions: frequency is 146.640 (pl 114.8).

Respectfully submitted,  
Jerry Graebel - W9GLG ([w9glg@arrl.net](mailto:w9glg@arrl.net))  
WVRA Secretary

Mancorad Radio Club

(Continued from page 6)

all the members who attended and with the participation we provided. A run down of the drill was also given.

Anyone interested in a HAM Radio license plate holder please contact Fred. He had a picture of one which can be bought for 4.95.

NEW BUSINESS:

Francis (KA9SCX) has a 70' tower with guides he would like to sell for 700.00. If interested contact him.

Carl (KA9WYK) is the new Radio Merit Badge Counselor for the boy scouts in this area. He will help those interested in obtaining their badge in radio. Possibility of using the club shack.

The Manitowoc Maritime Museum would like us to be on the sub 3 times next year. Dates already set are April 24-25, July 17-18 and one in the fall. This would most likely include an overnight with scouts.

A run down of the Field Day events was given. All who were involved felt it was a great success. We earned 1596 points. Hoping one will again be planned for next year.

Fred handed out pins to all those who had participated.

Bob (B9INK) would like the club to have a back up repeater ready in case of a disaster. Many clubs across the country are doing this. We could use the old one which will be replaced this year. After discussion, it was decided we have most everything we need to do this. Money from our brat fries will help in the cost. Motion was made and accepted to authorize Bob to spend up to 500.00 to purchase what we need.

UPCOMING EVENTS:

Kewaunee Nuclear Drill on Sept. 23-24th.  
Kewaunee Troutman Bike Race July 19th.  
Meet at 8:30 by the County Shop. Should be done by noon or so. Lunch will be provided. Contact James (KB9GOX) if you can help.

Leukemia Bike a thon July 19th-20th. Could use more help. On Sat. starting around 10:30, riders will be again coming from the south, up to the UW-Manitowoc. On Sunday they head out for Sturgeon Bay. Start time around 7:00. Contact Steve (N9PBL) if you can help out.

No one won the pot. Goes to 10.00. John (NZ9Z) won a hat.

Next meeting Aug 13th at the club shack, 6:30 board meeting, 7:30 regular meeting. All are invited.

Meeting adjourned 8:57, lunch was served.

Respectively submitted  
Theresa (KB9KXE), Secretary

MEETING ATTENDANCE

W6BSF Fred	N9FVZ Dan
KB9KXE Theresa	KB9GOY Mary
KB9YRC Travis	KC9AAH Shawn
W9NPX Roger	N4WGK Denise
KB9KXF Gene	K9HAG Ken
KA9WYK Carl	NZ9Z John
WB9VYO Vic	KB9GOX James
N9PBL Steve	KB9VLS Chris
N9NCU Dan	KB9INK Bob
KB9EME Vern	KC9CDW Gary
WB9DQD Gene	

Bus station is where the buses stop.  
Train station is where the trains stop.  
At my desk, there's a workstation.

An interesting web site:  
[http://www.bordergatewayprotocol.net/~jon/humor/web\\_animations/may02-smilepop-soapbox4.swf](http://www.bordergatewayprotocol.net/~jon/humor/web_animations/may02-smilepop-soapbox4.swf)

Experience is a hard teacher because she gives you the test first,  
the lesson afterwards.

Experience is something you get too late to do anything about the mistakes you made while you were getting it.



**SSB**  
SELL SWAP BUY

OUR WANT ADS GET RESULTS

For Sale: Kenwood TS-530S with VFO-240 external vfo. Clean, good working condition. 160 thru 10 meters CW, USB, and LSB including WARC bands. Extra 6146 finals, mic and stand (not Kenwood), 500Hz CW filter, Manuals. \$375 + Shipping if needed. George, W9RTP, [stanekgb@jvl.net](mailto:stanekgb@jvl.net).

Sell-Swap-Buy ads are free for non-commercial amateur radio readers. Get your needs to BSSS by the 10th of the month preceding the month of issue. E-mail to [k9en@arrl.net](mailto:k9en@arrl.net) or regular mail to the address on page 2.

PRODUCTS AND SERVICES



ARRL

Publications **HOTLINE**  
Call Toll Free! 888-277-5289  
e-mail: [pubsales@arrl.org](mailto:pubsales@arrl.org)

Check us out on the Web:  
<http://www.arrl.org/>  
• Complete Publications Catalog  
• Membership application and services

VCR SERVICE

North Freedom Electronics  
*Same day service by appointment*  
VCR cleaning: \$19.95  
Computers • Musical Instruments  
Stereos • Auto Sound • CDs • CBs  
*Sorry, no TVs or stacked stereo systems*  
HOURS MAY VARY—CALL AHEAD  
John Schmelzer (608) 522-4366  
201 E. Walnut , Box 18 North Freedom WI 53951

Books Clearance!

50% off list price!

NEW books by ARRL  
and others from the  
past hamfest season

*Computer books 20% off"*

Send an S.A.S.E.

Brownsville Sales Co., Inc.  
Rich's General Store and Surplus

Route 2, Highway "H" North stanley, WI 54768-9418  
Telephone (715) 644-2112

(Continued from page 4)

WISCONSIN SECTION  
STATION ACTIVITY SUMMARY  
June 2003

STATION	ORIG	RCVD	SENT	DLVD	TOTAL
K9JPS	0	455	30	440	925
N9VE	0	283	37	264	584
W9IHW	0	224	36	206	466
K9GU	0	147	31	147	325
W9RCW	0	169	22	121	312
N9TVT	0	90	170	0	260
W9CBE	0	120	109	5	234
WA9ZTY	0	34	39	0	73
AG9G	0	14	57	0	72
KE9VU	0	22	35	0	57
KG9B	0	12	44	0	56
W9BHL	0	4	35	0	39
W9UW	0	26	4	3	33
WB9ICH	0	28	2	0	30
K9FHI	0	1	26	0	27
KB9ROB	0	22	4	1	27
AA9BB	0	0	26	0	26
KA9RZL	0	6	14	1	21
K9WIS	0	1	13	0	14
KN9P	2	2	3	1	8
W9RSX	0	1	6	0	7
W9PVD	0	0	1	0	1

WISCONSIN SECTION  
P S H R SUMMARY  
June 2003

CALL	1	2	3	4	5	6	T
N9TVT	40	40	10	350	0	0	440
W9RCW	40	40	30	105	0	0	215
K9JPS	40	40	10	115	0	0	205
AG9G	40	40	20	80	0	0	180
WA9ZTY	40	40	30	10	60	0	180
K9LGU	40	40	20	0	10	0	110
W9BHL	40	40	30	0	0	0	110
W9CBE	40	40	20	0	0	0	100
KG9B	30	20	20	0	20	0	90
KA9RZL	40	21	20	0	0	0	81
W9RSX	40	7	10	0	0	0	57

serial port of the BBS computer. It needs a time-out timer (in case the computer crashes and locks up the LAN). I can provide details on construction if you are interested.

If your backbone and LAN sees a lot of traffic, the Coax LAN system is a worthy investment for performance.

TCP/IP Tricks and Info

If you have noticed, all of our configuration examples used "datagram" (DG) IP packets, as opposed to "Virtual Circuit" (VC) packets. This is best for radio IP connections. This way, retransmission timing is controlled only by the IP subsystem, rather than relying on AX.25 timers (which may cause a conflict with the IP retransmission timers).

This is all very well and good for most circumstances. However, the serial connection between TNCs on a nodestack sees a lot of traffic. Packets can get lost, causing undue delay of TCP/IP packets. There is a solution, though.

Can't telnet to an X-1J Node?

Some sysops may be tempted to telnet to the node to do routine sysop duties. Sad to say, it can't be done. There is simply not enough room on the EPROM chip to include telnet capability. Sorry, no way to get around it.

Wrapping Up

The purpose of this series was to help node operators to get a better idea of how to configure an X-1J node. If you have a special question, or would like clarification on any part of this, feel free to contact me.

Until next time, 73 from Andy.

ARLB041  
ARRL becomes an affiliate program  
of Citizen Corps

ARRL now is an official affiliate program of Citizen Corps, an initiative within the Department of Homeland Security to enhance public preparedness and safety. ARRL President Jim Haynie, W5JBP, signed a formal Statement of Affiliation between DHS and ARRL during the ARRL 2003 National Convention June 21 in Dallas, Texas.

Chief Operating Officer of the Emergency Preparedness and Response Directorate (FEMA) Ron Castleman represented DHS at the signing. Citizen Corps Liaison to the White House Liz DiGregorio called ham radio operators the "first of the first responders."

"You are there. You are part of that very, very first response when it happens locally," especially in the initial stages of an emergency or disaster, DiGregorio told the overflow audience at the signing ceremony. She urged amateurs to explore ways to expand their role in the community beyond being the last resort when other communication systems fail. "You need to show your community that you're engaged," she said. "They need to know as a community that ARRL is there."

Among other things, the affiliation statement calls on DHS and ARRL to raise public awareness of Amateur Radio as a safety resource. In addition, DHS and ARRL will cooperate in providing training and accreditation for Amateur Radio emergency communications and promote the formation of local Citizen Corps councils.

ARLB045  
7 MHz realignment compromise  
makes radio history

In an 11th-hour compromise, delegates to World Radiocommunication Conference 2003 (WRC-03) agreed to move broadcasters out of 7100 to 7200 kHz in Regions 1 and 3 to make room for the Amateur Service. The expanded worldwide allocation at 40 meters goes into effect on March 29, 2009. Amateurs in the US and the rest of Region 2 will continue to enjoy the 7000 to 7300 kHz band they now have, but with greatly reduced broadcasting interference.

The compromise marked the first time in the history of internationally coordinated radio spectrum allocation that an HF broadcasting band was shifted to accommodate the needs of another service. The compromise cuts in half the incompatibility between amateur and broadcasting use of the 7 MHz band and doubles the 40-meter spectrum available to amateurs in Regions 1 and 3.

While the result falls short of the IARU's goal of a 300-kHz worldwide exclusive band for amateurs, the cooperation of broadcasters, opposing delegates and many others was required to make a positive step for ham radio. Spectrum between 4 and 10 MHz is on the agenda for WRC-07, but further changes to 7000-7200 kHz will not be considered.

The conference also dropped the international Morse code requirement, leaving individual countries to decide if they want to retain a code proficiency requirement, and adopted a number of improvements to the other international regulations for the amateur service. The delegates also agreed to allow a secondary allocation for satellite borne synthetic aperture radars at 70 cm and made amateur call

Editors notes:

Another issue of BSSS is done and being sent to the printer (7/22/2003). If all goes well, it should be in the mail the first of August and then we will start working on the October issue.

If you have anything for BSSS, try to get it to us by the first week in September if possible. We can try to get late material in as late as the 20th, but cannot guarantee that.

To those who have renewed without being billed, we thank you and we hope to get the billing situation straightened out soon. We are continuing to send BSSS to all who were subscribers as of last fall. Once we have sent our renewal notices, we will be dropping those who do not renew.

Also, don't forget that we can send you an e-mail copy of BSSS when we send it to the printer. You will get a copy earlier, and we will include any material we were unable to get in the printed edition along with late breaking news.

Don't forget to check out our web site: ***Http://www.bs***

The results of the WARAC Wisconsin QSO party are posted on their site: ***www.warac.org***  
73, ken k9en

A young girl, Carmen Cohen, was called by her last name by her father and her first name by her mother. By the time she was ten, didn't know if she was Carmen or Cohen.

If something has not yet gone wrong then it would ultimately have been beneficial for it to go wrong.

I'd give my right arm to be ambidex-

BADGER STATE SMOKE SIGNALS

Subscription Form  
Regular Individual Subscription Rate  
1 Year (6 issues): \$13.95  
PLEASE PRINT ☐ New ☐ Renewal

Name \_\_\_\_\_

Call Sign (if any): \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_

E-mail address: \_\_\_\_\_

Send me my BSSS by e-mail ☐  
Send me my BSSS by mail ☐  
Send me my BSSS by both ☐

Send this form, with check or money order to:  
Ken Ebnetter, 822 Wauona Trail, Portage, WI 53901.  
Please do NOT send cash.



(Continued from page 1)

2003 WISCONSIN QSO PARTY

Fond du Lac Amateur Radio Club came out on top by putting together an effort from 13 members that resulted in their having a combined score of 714,889.5 points, which is a new record. The previous record was set in 2001. Congratulations to the Fond du Lac ARC. I am sure you will enjoy your plaque. The plaque for the highest score by a single operator in Wisconsin goes to all CW, mobile station K5OT, Larry Hammel, who used a Kenwood TS850 with Hustler antennas while bouncing thru 21 counties. His 651 CW Qs with 82 multipliers and bonus points gave him a final score of 170,146 points. He has become the first mobile single operator station to score first in WIQP history. Larry also set a new record in the Single Operator Mobile category, breaking the old record set in 2001. Congratulations to Larry, who lives in Neenah, lest you wonder about the 5 call.

The plaque to the highest score by a single operator from outside of Wisconsin goes to Mike Tessmer, K9NW, who actually lives in Ohio. His 206 CW Qs and 91 phone Qs with 63 counties for multipliers gave him a total score of 47,533.5 points, which is a new record. He broke his own record that he set just last year. Congratulations Mike.

A new record was set in our Multi Operator Fixed category this year. The five operators operating W9EAU, the Eau Claire ARC call ( using W0AIH facilities ), made 269 CW Qs and 322 phone Qs with 104 multipliers, for a total score of 134,160 points. The previous record was set in 2002. Congratulations to KB9S, KI0F, KG9RA, N0BUI and KB9YFQ.

The last new record was set in our Multi Operator Mobile category. W9HB, drove in from Illinois to operate in Wisconsin. Their 617 CW Qs and 33 phone Qs with 80 multipliers and bonus points gave them a total score of 161, 540 points. They broke their own record set in 2002. Congratulations to W9HB and KF9D.

Our top Single Operator Fixed station this year was Fred Helmstetter, N9FH. He made 292 CW Qs and 297 phone Qs with 95 multipliers for a total score of 125, 542.5 points. Congratulation Fred.

Our top Single Operator Novice station this year was Alex Jasper, KB9TTO. He operated as a mobile station from 19 counties, making 35 phone Qs with 26 multipliers for a total score of 1,365 points. Congratulations

Our top Single Operator Technician station this year was Karen McDonald-Long, KC9BMH. She operated also as a mobile station and from 6 counties. She made 111 phone Qs with 14 multipliers and bonus for a total score of 4,831 points. Congratulations

Our top Multi Operator Multi Transmitter Fixed station this year was N9KI, the Bay Area Wireless Association call. Their 9 operators made 509 CW Qs and 893 phone Qs with

121 multipliers for a total score of 346, 846.5 points. Congratulations to N9LLA, KE9S, NS9R, KC9AXH, AA9PB, K8IR, W9YQ, KG8CX AND K0SN. Our top Multi Operator Multi Transmitter Mobile station this year was N9EZ. They made 476 CW Qs and 66 phone Qs with 72 multipliers and bonus for a total score of 116, 444 points. Congratulations N9EZ and N9KS.

The overall numbers. We had 214 total entries, with 124 from within Wisconsin and 90 from outside of the state, and one check log from an aeronautical mobile station. We also received 33 state entries, three Canadian Provinces, four from Germany, one from Netherlands and one from Ukraine. We had 79 entries in the Single Operator Fixed category, 15 in the Single Operator Mobile category, 5 in the Single Operator Technician category, 1 in the Single Operator Novice category, 8 in the Multi Operator Fixed category, 8 in the Multi Operator Mobile category, 5 in the Multi Operator Multi Transmitter Fixed category and 3 in the Multi Operator Multi Transmitter Mobile category. I would sure like to thank ALL the stations that participated for their efforts in WIQP for 2003.

An interesting note - our top 6 Single Operators in Wisconsin were MOBILE, FIXED, FIXED, MOBILE, MOBILE and FIXED.

On a slightly negative note I need to mention late entries. This year we experienced a number of them, which has caused us to be a bit late with our results. I would please ask that in future WIQP's that participants make an effort to get their entries in by our suggested deadline date, so we can get the results to you sooner. We would like to be able to continue using a suggested deadline date, but if late entries continue in the future, we might have to resort to a fixed deadline date instead.

One last thing. We continue to look at electronic submission standards. To date, there is none. With my retirement later this year, I hope to be able to come up with some sort of method. At this point it looks like a modified Cabrillo format will be needed, along with a standard printer friendly WIQP entry sheet. Stay tuned.

All in all, we think it was a very successful Wisconsin QSO Party for 2003. Thank you to all the participants who sent in logs and thank you to those who did not send in logs but did participate. We continue to think the WIQP is one of the best QSO parties and the reason for that is your participation. It goes without saying that unless you all are there for all or part of the 7 short hours, there would be no WIQP each year. Thanks again.

See you next March 14, 2004, good Lord willing.

Lynn Tamblyn, K9KR  
Chairman WIQP for WARAC

For the full results see:

[www.warac.org](http://www.warac.org)

The Test Point



Amateur Radio Examination Locations and Schedules in the Area

August 02, 2003	Madison, WI
August 02, 2003	St. Paul, MN
August 09, 2003	Blaine, MN
August 09, 2003	Oshkosh (Omro), WI
August 14, 2003	Apple Valley, MN
August 16, 2003	Milwaukee, WI (BE)
August 16, 2003	Loves Park, IL
August 16, 2003	Cottage Grove, MN
August 19, 2003	Eden Prairie, MN
August 23, 2003	Bloomington, MN
August 30, 2003	Tomahawk, WI
September 06, 2003	Eau Claire, WI
September 06, 2003	Madison, WI
September 06, 2003	Racine, WI
September 06, 2003	St. Paul, MN
September 11, 2003	Apple Valley, MN
September 13, 2003	Onalaska, WI
September 13, 2003	Sheboygan, WI
September 13, 2003	Blaine, MN
September 13, 2003	Oshkosh (Omro), WI
September 16, 2003	Eden Prairie, MN
September 21, 2003	Mauston, WI
September 20, 2003	Milwaukee, WI (BE)
September 20, 2003	Loves Park, IL
September 20, 2003	Cottage Grove, MN
September 20, 2003	Bloomington, MN
September 27, 2003	Milwaukee, WI (MRAC)
September 27, 2003	Tomahawk, WI
October 04, 2003	Madison, WI
October 04, 2003	Racine, WI
October 04, 2003	St. Paul, MN
October 09, 2003	Apple Valley, MN
October 11, 2003	Blaine, MN
October 11, 2003	Oshkosh (Omro), WI
October 18, 2003	Milwaukee, WI (BE)
October 18, 2003	Loves Park, IL
October 18, 2003	Cottage Grove, MN
October 21, 2003	Eden Prairie, MN
October 25, 2003	Bloomington, MN
October 25, 2003	Milwaukee, WI (MRAC)
October 25, 2003	Tomahawk, WI
November 01, 2003	Menomonie, WI
November 01, 2003	Madison, WI
November 01, 2003	Racine, WI
November 01, 2003	St. Paul, MN
November 08, 2003	Onalaska, WI
November 08, 2003	Blaine, MN
November 08, 2003	Oshkosh (Omro), WI
November 13, 2003	Apple Valley, MN
November 15, 2003	Milwaukee, WI (BE)
November 15, 2003	Loves Park, IL
November 15, 2003	Cottage Grove, MN
November 18, 2003	Sheboygan, WI
November 18, 2003	Eden Prairie, MN
November 22, 2003	Bloomington, MN
November 29, 2003	Milwaukee, WI (MRAC)
December 06, 2003	Madison, WI
December 06, 2003	Racine, WI
December 06, 2003	St. Paul, MN
December 11, 2003	Apple Valley, MN
December 13, 2003	Blaine, MN
December 13, 2003	Oshkosh (Omro), WI
December 18, 2003	Eden Prairie, MN
December 20, 2003	Mauston, WI
December 20, 2003	Milwaukee, WI (BE)
December 20, 2003	Loves Park, IL
December 20, 2003	Cottage Grove, MN
December 27, 2003	Bloomington, MN
Monthly, 1st Sat.	Madison, WI
Monthly, 1st Sat.	Racine, WI
(except Jan., Jul., & Aug.)	
Monthly, 1st Sat.	St. Paul, MN

Monthly, 2nd Thu.	Apple Valley, MN
Monthly, 2nd Sat.	Blaine, MN
Monthly, 2nd Sat.	Oshkosh (Omro), WI
Monthly, 3rd Tue.	Eden Prairie, MN
Monthly, 3rd Sat.	Milwaukee, WI (BE)
(September through April)	
Monthly, 3rd Sat.	Loves Park, IL
Monthly, 3rd Sat.	Cottage Grove, MN
Monthly, 4th Sat.	Bloomington, MN
Monthly, Last Sat.	Milwaukee, WI (MRAC)
(except Mar., Jun., Aug., & Dec.)	
Monthly, Last Sat.	Tomahawk, WI
(January thru October only)	

GENERAL RULES FOR MOST EXAMINATIONS Be sure to check with sponsors before going to an examination session. There may be changes and/or errors in the dates or information given. Some examinations require filing an FCC or NCVEC Form 605 and advance registration at least 30 days before the exam date. Some VE teams permit walkins. Check with the sponsor.

Many hamfests and swapfests offer examinations. A hamfest entrance fee should not be charged if you come only to attend the examination. To register in advance, you must get a copy of the current FCC Form 605, and fill it out completely and correctly. Got your form from the FCC as instructed below, or from the American Radio Relay League, 225 Main Street, Newington, CT 06111. Please send an SASE if you request a form from the League. FCC Field Offices seldom stock forms. You can also get a form from

<http://www.fcc.gov/formpage.html> or  
<ftp://ftp.fcc.gov/pub/Forms/Form605>.

A form by FAX is available at (202) 418-0177 (request Form 000605). The FCC Forms Distribution Center will accept orders at (800) 418-3676. Form 605 has a main form, plus a Schedule D with two parts (for Vanity and Physician's Certifications). Forms can also be obtained from the sponsoring group.

See QST, W1AW bulletins, or The ARRL Letter regarding any annual exam fee changes. ARRL/VEC no longer gives a free code test or Element 2. Test fees: The ARRL/VEC has set its 2003 test fee at \$12.00. FCC requires applicants to show their original amateur license or CSCE to the VE team. You must also have a good copy of your license or CSCE. A copy of your license or CSCE must be attached to your FCC form 605 and most VE teams need a copy for their records. One good CSCE copy is sufficient. You are also be required to have a photo ID, or two other forms of ID. Contact the VE team for details.

Technician class licensees must show proof of testing before March 21, 1987, in order to upgrade to General with a code test only. Proof must be either in the form of a pre-3/21/87 license document or a "Letter of Verification of Technician License Held Prior to 1987" as requested in writing from the FCC, 1270 Fairfield Road, Gettysburg, PA 17325-7245. For those with internet access, a listing of exam sessions is available from:

<http://www.arrl.org/arrlvec/examsearch.phtml>

By checking this page, you can find registered VE sessions anywhere in the US and some overseas. You can search by country, state or zip code. The listing is not specific to any particular VEC. It is a master database. Thanks to Bart Jahnke, W9JJ, ARRL/VEC.

Check us out on the web at  
[Http://www.bsas.org](http://www.bsas.org)



# THE WISCONSIN PACKETEER

**Wisconsin Amateur Packet Radio Association**  
**Allen Schnepf, N0GMJ, Treasurer**  
**Ogema, WI 54459**

---

**Andy Nemec, KB9ALN, Editor—453 Cottage Grove Avenue—Green Bay, WI 54304—e-mail: kb9aln@gbonline.com**

---

## WAPR News - August, 2003

Hello again everyone. I do hope your summer has been a good one. So far, it's been a strange mix of weather, mostly cool. Let's hope this doesn't translate into a short summer.

There's precious little new happening in the "dog days" of summer. Last time, I reported that the Crivitz backbone node, #446CR was down. It has since been put back on the air. Apparently, a bad power supply was to blame. The only remaining problem on that node stack is the LAN node, WIMAR, which serves Marinette County. Word has it that the radio has given up the ghost and will be need to be replaced.

I also have a correction concerning June's news report. I reported an incorrect SSID for Ken, K9KJM's APRS digipeater in Door County. The correct call-sign and SSID is K9KJM-10. I apologize for the mistake.

### Web Site

Unfortunately, I have still not been able to update the WAPR web site. Sometime this month I plan to change to a different ISP and start moving things to a new site with a more friendly URL. Please be patient, work and other pressures have been occupying most of my time lately.

One little note, however. I have received a few messages from hams who have stumbled upon the site, and have been kind enough to send me E-Mail with positive comments. They are appreciated. For those of you who have not checked it out yet, the URL is:

<http://my.athenet.net/~kb9aln/wapr/index.html>

### Some Sad News

It is with great sadness that I report the passing of Chuck Wheeler, N9IIE, also known as "The Gray Ghost of Packet". He was ill for a long time, and he succumbed in mid-July.

Charlie was a local legend here in Green Bay. He gave himself the moniker "The Gray Ghost of Packet" after he took up packet radio himself. He spent time on the local voice repeaters speaking tongue-in-cheek about computers and packet radio. A few folks took him seriously, and were surprised to see his call-sign appear on their heard lists. This attracted a great deal of attention to packet radio, and

even got a few people involved in this sub-hobby.

He was even known throughout the state, as he was always anxious to talk to visiting hams. He never turned away a young person, either. Feeling that the future of this hobby depended on our youth, he made a special point of engaging the younger members of our hobby in conversation. He was also famous for regaling us with stories of his own younger days, which everyone found very entertaining and amusing.

We will miss N9IIE dearly here in Green Bay, and I suspect a lot of people will miss "The Gray Ghost of Packet" in other parts of the state as well.

### More Help Needed

Another plea for help comes through my fingers in this issue. As I mentioned last time, we are still looking for folks to take up the challenge of leading WAPR into the future. But there are other needs.

One pressing need is for technical help. Do you have experience repairing and modifying commercial two-way radios? Do you have some experience with networking, either in the wired or wireless world? If you don't, would you like to learn?

We have need to help our members who have been doing this for more than a few years and have found themselves short on time. We need to help expand our network and are in need of technical people who can help modify and tune radios for network node use. If you would like to help, please contact me. Both E-Mail and Postal mail addresses appear at the top of this page.

That's all I have for this time.  
Until next time, 73 from Andy.

## Net/Rom Node Information f or the Sysop - Part 20

By Andy Nemec, KB9ALN

Over the course of the last 19 parts, we've covered how to configure the X-1J node firmware for use as a network node. Not only have we discussed configuration for Net/Rom usage, but we have also delved into the "mystery" of TCP/IP configuration (one of the main features of this firmware). In our final part of this series, we'll cover a few odd topics (in no particular order) to clean up a few loose

ends.

### Firmware, EPROMs, TNC Selection and Radios

First, it's best to use the most recent version of TheNet X-1 firmware. Currently, that's TheNet X-1JR4. Using TheNet X-1H, or any other earlier version is not recommended. X-1JR4 is very stable and suffers from few, if any bugs.

EPROMs are something that require a little care in selection. It's best to start with a new EPROM, and erase it before programming. The X-1J requires a 120 nS (or faster) 27C512 EPROM. In addition, there is a minor wiring change that needs to be made in the TNC. Details appear in the X-1JR4 documentation. This can be easily done by plugging the EPROM into a loose socket, connecting a wire to the necessary pin, isolating it, and plugging it into the TNC's EPROM socket. Take note that this is a static-sensitive I.C., and must be handled with care.

Now, a few words about general TNC preparation are very much in order. First of all, the X-1J firmware only works in TNC 2 clones, and certain AEA model TNCs. We have much experience with TNC-2 clones, none with AEA TNCs.

The best TNC for backbone use that we've found is the Paccomm Spirit II for backbone use. Additionally, it's best to stick with the "Node" model. It uses a faster CPU and clock frequency. Optionally, you can upgrade the non-node model with the faster CPU and clock crystal.

For 1200 bps LAN use, the Paccomm Tiny-2 MKII is the best choice. As in the backbone TNC, the X-1J firmware requires replacement of the CPU and clock crystal for best performance. Other TNC 2 clones can be used,

Radio selection is very important. Crystal-controlled radios, such as the Tekk or the Motorola Mitrek are the only way to go. They are both reliable and the crystal-controlled oscillators eliminate the problems associated with PLL synthesizer sluggishness. Most of the radios used on the UHF backbone in Wisconsin are Motorola Mitreks. They are reliable, perform well, and can be obtained relatively cheaply on the used market.

The use of shielded cables is a must between the radio and TNC. WAPR has con-

siderable experience with the Motorola Mitrek radios and has modification instructions available on request. It is essential that these instructions are followed - unexpected problems can appear if they aren't!

### Diode Matrices and Coaxial LANs - Pros and Cons

When two or more TNCs are connected together, they form a node stack. This is a pretty common configuration - one node is a LAN node, the other is a backbone node. Additionally, other TNCs running node firmware may be connected to these TNCs, connected to other radios operating on other frequencies for other purposes.

If only two TNCs are involved, they are usually connected via their serial ports. This is a simple operation. However, there are node-stacks which have more than two TNCs connected together. One cannot simply wire these serial ports directly to each other, it won't work. The most common method of connection in this case is a "Diode Matrix". This was once the only method available to do this.

However, Paccomm has another option that operators of larger stacks may find more useful. This is the "Coax LAN". Physically, it resembles the older 10-base-T style Ethernet system - a coaxial cable is connected daisy-chain style between interfaces connected to each of the TNCs. It has a few advantages (and a few disadvantages) over the Diode Matrix method (Paccomm TNCs can also use the Diode Matrix method).

Chiefly, cost is the disadvantage. Aside from that, you are limited to Paccomm TNCs, the only manufacturer to offer this feature. But there are a few advantages that make the cost worthwhile on a busy nodestack:


- Speed, which means better throughput
- Few, if any packet collisions between TNCs - Greater cable length between TNCs (or a computer) can be used.

The Coax LAN adaptor is small - it fits into a modified DB-9 shell. It plugs into a small in-line connector on the back of the TNC. A jumper needs to be changed inside of the TNC to tell it to use the Coax LAN instead of the RS-232 port.

Some operators with a BBS have built a special Coax LAN adaptor that plugs into the

(Continued on page 8)






## Yellow Thunder Amateur Radio Club

---

**WB9FDZ (Original Club Call)**  
**K9ODK (Robert L. Prine Memorial Call)**  
**Club net: Sundays 8:00 p.m. on 147.315**  
**Raymond J. Matlosz, N9MLZ, Secretary**  
**450 W. 2nd St., Reedsburg, WI 53959-1500**



The June meeting of the Yellow Thunder Amateur Radio Club was called to order by our President Steve, N9UDO on June 5th at 7:20 PM. Tom, N9PQJ made a motion that the secretary's report, as emailed to the members, is accepted as printed and was seconded by Joe, WB9SBD. The treasurer's report was given by Bill, N9KXX; we have \$2,625.61 in the bank! Bill noted that he still has some of the Maxon WX-70 weather radios for sale as a club fundraiser! \$35.00 each, what a deal! Contact Bill or Steve if you want one.

**Old Business:**  
It has brought up that the tnc that we were going to use for the arboo packet node project could not be updated with newer software.

**New Business:**  
Field day at Owen Park: We will again be using Bill, N9KXX's generator and equipment trailer -Thanks Bill!  
There were some concerns about how we

will be running our antenna and coaxial cables, as this year Rhythm and Booms in Madison is on the Saturday night of field day and there will be a large amount of people in the park watching the fireworks. It was decided that we will be extra careful in running those lines so people will not be injured. As in other years bring your own meat for the grill and a dish to pass for the picnic supper on Sat. night.

Tnc for the arboo node: After some discussion Len, N9XJG made a motion that we spend up to \$200 to buy a new Tnc for the project. Seconded by Bill KC9CVD  
Motion to adjourn by Bill KC9CVD, second by Len, N9XJG  
Respectfully submitted by the secretary stand in, Tom N9PQJ (nobody else wanted to do it!)

A big THANK YOU to Tom, N9PQJ for filling in for me.  
Lynn KB9YOD, YTARC Secretary

### W9NA Named Ham of the Year

Story by Myron Oestreich

Reno W. Goetsch, W9NA was recently named Amateur Radio Operator of the Year by the Wisconsin Valley Radio Association. Goetsch was given his award recently at his residence by Myron Oestreich KB9STB and Michael Martens KB9VBR.

Originally licensed as a teenager in the 1930's, Goetsch has achieved many operating feats most amateur radio operators only dream of. Over the course of approximately 70 years as an amateur radio operator, Goetsch has successfully contacted all countries in the world once as well as achieving DXCC (100 or more confirmed foreign country contacts) status on five different high frequency bands. Goetsch also successfully contacted all United States on five different high frequency bands. Goetsch's list of accomplishments is so extensive that all cannot be

listed here but all achievements prove his operating abilities.

Goetsch is also the lone surviving charter member of the Wisconsin Valley Radio Association, signing the charter in 1935 as a teenager. Goetsch has also held many officer positions with the Wisconsin Valley Radio Association.

In the 1980's, Goetsch was recognized for his club involvement during the Wisconsin Valley Radio Association's 50<sup>th</sup> anniversary celebration. Being given an honorary life membership was Goetsch's reward for his involvement.

On behalf of the club that presented this award to Goetsch, many thanks are also extended for Reno Goetsch's countless great contributions to amateur radio both as an operator and role model for other operators.

Photo below: Myron Oestreich, KB9STB presenting award to Reno Goetsch, W9NA. Photo by Michael Martens, KB9VBR



# Seventh Annual!

# CIRCUS CITY SWAPFEST

Sponsored by:  
Yellow Thunder Amateur Radio Club, Inc.

## Ham Radio, Computer & Electronics Extravaganza!

## SATURDAY, AUGUST 9, 2003

## 7:00AM UNTIL NOON

### Sauk County Fairgrounds - Baraboo, Wisconsin

### Vendors \* Tail-Gate Area

### Concessions \* Free Parking \* Camping

\$5 Admission, \$4 In Advance - 8 Foot Tables \$5 Each  
(1 Admission Included Per Table - ADVANCE SALES ONLY) - Set-up 6:00AM

#### VE Testing

9:00 am Code - 10:00 am Written

---

#### Talk-In

147.315 Repeater  
+600 input w/123.0 PL  
WB9FDZ

The Sauk County Fairgrounds is located on highway 33, on Baraboo's far east side.  
**From I-90/54:** Take exit 106 (Hwy. 33) west to Baraboo.  
**From Hwy. 12:** Take Hwy. 33 east at the Kwik-Trip in West Baraboo.

**For more information contact:** Steve, N9UDO at (608) 356-2313 or n9udo@arrl.net  
Bill, N9KXX at (608) 643-6908 days, (608) 643-6453 evenings.

**Visit us on the Internet:** [www.qsl.net/ytarc/hamfest.htm](http://www.qsl.net/ytarc/hamfest.htm)

For Advance Tickets, Send Check With A Self Addressed Stamped Envelope to:  
Yellow Thunder A.R.C., 1120 City View Road - Baraboo, WI 53913

Company Name: \_\_\_\_\_ Phone #: \_\_\_\_\_

Contact Person: \_\_\_\_\_ Call Sign: \_\_\_\_\_

Address: \_\_\_\_\_ E-MAIL: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

No. Of Tickets: \_\_\_\_\_ X \$4.00= \_\_\_\_\_ Electricity Required? Y / N

No. Of Tables: \_\_\_\_\_ X \$5.00= \_\_\_\_\_ Total Amount Enclosed= \_\_\_\_\_  
(one complimentary admission ticket with the purchase of each table - ADVANCE SALES ONLY)

## MDXC Scholarship Program

The Madison DX Club has initiated a student scholarship program for students attending post high school educational institutions. The intention is to promote amateur radio and help ease the financial burden that students encounter. To our knowledge there is no other scholarship program presently in existence for students in this area. The intention is that all of the area amateur community will help in making this program successful.

If you know of a graduating high school student, or a student currently enrolled in a college who has a valid amateur radio license, please refer him or her to this program. The details are available at <http://www.madisondxclub.org>; click on Scholarship Program and then the Application button.

As well, your contributions to this program would graciously be accepted. Obviously, the larger the funds available, the more meaningful the scholarships will be. Contributions are being handled by N9CNH, Bill Hanold, N3305 Tipperary Point Rd, Poynette, WI 53955. The programs administration details and a contribution form are also available at the web site.



## Check us out on the web at

## Http://www.bssts.org



Buy it! • Sell it • Trade it • Fix it

# SWAPFESTS

<div><p>2002 WINNER Michael J. Haessler, KB9TG Waupaca, WI.</p><p><i>Both sponsored by: THE WEST ALLIS RADIO AMATEUR CLUB, INC. P. O. BOX 1072 • MILWAUKEE, WISCONSIN 53201</i></p></div> <div><p>32nd ANNUAL MIDWINTER <b>SWAPFEST</b> WAUKESHA EXPOSITION CENTER WAUKESHA, WISCONSIN SATURDAY JANUARY 3, 2004</p></div>	<p><i>HAM IT UP EVERY SPRING!</i> <b>MADISON SWAPFEST</b> Mandt Community Center <i>APRIL , 2004</i> 400 Mandt Parkway Stoughton WI Doors open at 8 a.m. Sponsored by MARA/W9HSY P. O. Box 8890 Madison, WI 53708-8890 swapfest Information Line. (608) 245-8890</p>	<p><b>SOUTH MILWAUKEE AMATEUR RADIO CLUB SWAPFEST 03</b> JULY , 2003 (Held every July) <i>American Legion Park Shepard Avenue • Oak Creek, WI</i> (414) 762-3235 Ask for Verne P.O. Box 102 South Milwaukee, WI 53172 e-mail ryatex@aol.com</p>		
<p><b>SEWFARS SWAPFEST</b> HAM RADIOS • COMPUTERS • ELECTRONICS AMATEUR LICENSE EXAMS</p> <p>Setup starts at 6:00 A.M. For more information, call (414) 835-7035</p>	<p>The Chicago FM Club presents <b>RADIO EXPO 2002</b> September 27-28, 2003 Lake County Fairgrounds, Rts. 45 and 120 Grayslake, Illinois Free parking • Amateur Exams • Talkin 146.16/76 Info Voice mail and FAX: (708) 457-0966 <a href="http://www.chicagofmclub.org">http://www.chicagofmclub.org</a> P.O. Box 56784, Harwood Heights, IL 60656-0724</p>	<p>TRI-COUNTY ARC PRESENTS <b>HAMFEST 2004</b> March 21, 2004 YOUR SPRING FAVORITE ! <a href="http://www.cmdline.com/tcarc/">Www.cmdline.com/tcarc/</a> TCARC 213 Frederick St (920) 563-6381 Fort Atkinson, WI 53538 Evenings</p>		
<div><p><b>NS9RC</b> <i>Fest</i> formerly known as LAMARfest Lake County Fairgrounds, Grayslake, Illinois Radio, Electronic, Computer Swapfest <a href="http://www.ns9rc.org">www.ns9rc.org</a></p><p>Grayslake, IL</p></div>	<p>Eau Claire Amateur Radio Club <b>HAMFEST 2003</b> Saturday, September 6, 2003</p> <p>For Information Contact: Steve Bluem at (715)839-6509 <a href="mailto:ka9omy@arrl.net">ka9omy@arrl.net</a> ECARC P.O. Box 1867, Eau Claire. WI 54702-1867</p>	<p>The Milwaukee Repeater Club presents <b>AMATEUR RADIO FEST 2003</b> November 2003</p> <p>Waukesha County Expo Center Forum Buildings For more information, see: <a href="http://www.execpc.com/mrc">http://www.execpc.com/mrc</a> e-mail <a href="mailto:mrc@mrc91.org">mrc@mrc91.org</a> or call 1.608.367.3953</p>		
<p>Ozaukee Radio Club <b>23rd ANNUAL RADIO AND COMPUTER SWAPFEST</b></p> <p>8 a.m. to 1 p.m. • Circle B Recreation Center Intersection of Highway 60 and County I Exams by Badger Examiners, c/o Gary Sharbuno, 5119 W, Willow Rd., Brown Deer, WI 53222 Swapfest sponsored by the Ozaukee Radio Club W55 N865 Cedar Ridge Drive • Cedarburg WI 53012</p>	<p><b>Circus City Swapfest</b> Sponsored by the Yellow Thunder Amateur Radio Club Saturday, August 9, 2003 • 7 am—Noon Sauk County Fairgrounds • Baraboo, WI</p> <table border="1"><tr><td>Vendors • Concessions Camping • Free Parking Tail Gate Area</td><td>\$4.00 — Advanced \$5.00 — At Gate \$5.00 — 8 foot tables</td></tr></table> <p>Steve Schulze, N9UDO • Bill Klinkner, N9KXX (606) 356-2313 • (608) 643-6908/643-6453 <a href="http://www.qsl.net/ytarc/hamfest.htm">http://www.qsl.net/ytarc/hamfest.htm</a>,</p>	Vendors • Concessions Camping • Free Parking Tail Gate Area	\$4.00 — Advanced \$5.00 — At Gate \$5.00 — 8 foot tables	<p><b>SOUTH MILWAUKEE AMATEUR RADIO CLUB AUCTION</b> Amateur Radio, Computers &amp; Electronics Wed. October 1, 2003, 6:00 p.m. <i>American Legion Post 434 Shepard Avenue • Oak Creek, WI</i> (414) 762-3235 Ask for Verne P.O. Box 102 South Milwaukee, WI 53172 e-mail: ryatex@aol.com</p>
Vendors • Concessions Camping • Free Parking Tail Gate Area	\$4.00 — Advanced \$5.00 — At Gate \$5.00 — 8 foot tables			

# PRODUCTS AND SERVICES

# TOWER ELECTRONICS

THE HAMS DIME STORE AND WHOLESALE TO THE WORLD

ORDERS 1-800-662-3422  
TECH INFO 920-435-3359  
FAX LINE 920-435-2980

SCOTT KB9AMM & JILL KB9PZF E-MAIL [pl-259@juno.com](mailto:pl-259@juno.com)  
P O BOX 12631 GREEN BAY, WI 54307-2631  
PRODUCTS FOR HAMS FROM HAMS SINCE 1978

[www.pl-259.com](http://www.pl-259.com)

## Antenna Service Plus & Tower

*We'll Treat You Like Family!*

For Professional Installs, Repairs & Removal  
Towers, Satellite, Prewire Cabling, T.V., C.B.,  
Cellular, Construction, Home Theater, Telephone,  
Law Enforcement, Amateur & Business 2 Way.

1613 10th Street Web: [www.go.to/asplus](http://www.go.to/asplus)  
Monroe WI 53566 E-Mail: [antennaserviceplus@yahoo.com](mailto:antennaserviceplus@yahoo.com)  
Ph: 608-329-4500

## Mr. NiCad's BATTERIES AMERICA

For all your portable power requirements!

[www.batteriesamerica.com](http://www.batteriesamerica.com)

Battery Packs for,  
Ham Radio (inserts too !)  
R/C Hobby  
Laptop/Notebook  
Digital Cameras  
Cellular Phone  
Video Camcorder

Address:  
221 1 -D Parkview Road  
Middleton, WI 53562  
(Store open 8 am - 5 pm M-F)  
Ph: 608-831-3443  
Fax: 608-831-1082  
e-mail: [ehyst@midplains.net](mailto:ehyst@midplains.net)

Now in stock., EBP-48 NIMH for Alinco; BP-180 NIMH for ICOM; BP-200 NIMH for ICOM;  
PBH-58LI for Yaesu PB-39 NIMH for Kenwood; ADI HT-600 NIMH, FBN41 NIMH for Yaesu;  
OB-202 for Radio Shack; PS-34 NIMH & PB-13 NIMH for Kenwood, EBP-22 NIMH for Alinco;  
& more! And...The UDO-9000 Universal Charger! Call for info / pricing, or visit our website!  
Nickel Cadmium / Nickel Metal Hydride / Lithium on / Sealed Lead / Alkaline

# BADGER STATE SMOKE SIGNALS

## WEB EDITION — EXTRA PAGES

### The Test Point



Amateur Radio Examination Locations  
and Schedules in the Area

#### Adams, WI

Adams County Library, 101 S. Main St., Adams, WI. Enter from the Center St. entrance. Walk-ins are welcome. For information contact: Ed Wagner at Email: aab9fn@arrl.net or call 608-584-4858. All ARRL rules, regulations and conditions apply to testing.

#### Appleton, WI

Fox Cities ARC (ARRL/VEC) All regular test sessions are held at the American Red Cross Building in Appleton. Testing starting at 8 a.m. No walk-ins after 9 a.m. For information, contact George R. Croy, W9MDP, 2113 Twin Willows Drive, Appleton, WI 54914. (920) 730-0967. Email: w9mdp@arrl.net.

#### Eau Claire, WI

Eau Claire Amateur Radio Club. South Middle School, North East side door 7, 2115 Mitscher Ave, Eau Claire, WI. Eau Claire Hamfest. Held at Eau Claire Exposition Center, Lorch Avenue, Eau Claire.

Technician, General and Extra Class exams. Walkins welcome.

Examination session coordinator: Steve Blum, KA9OMY, ka9omy@arrl.net. Telephone: 715-839-6509. www.ecarc.org. w9eau@ecarc.org.

#### Fond du Lac, WI

Fond du Lac ARC (ARRL/VEC). Community United Methodist Church, 701 Minnesota Ave., North Fond du Lac. 9:00 a.m. Walk-ins allowed. Contact: Douglas J. Schultz, 920-922-3088, schultz74@charter.net.

#### Fort Atkinson, WI

Tri-County Amateur Radio Club Second Thursday monthly except June to Au-

gust, 7 p.m. Dwight Foster Public Library in Fort Atkinson. Contact: Glenn Eisenbrandt, WA9VYL, 920-563-6502, or John Satterlee, WA9SAB, 920-563-6381.

#### Hudson, WI

St. Croix Valley AR Testing Col. St. Croix County Emergency, Government Center by jail, Carmichal Rd. lower level, Hudson, WI 54016. Call for time and walk-in info, Contact: Gregory Miller (715)386-9857.

#### Jefferson, WI (ARRL/VEC)

Tests at 9 a.m. American Legion Post 164, located at 321 N. Main St., Jefferson, WI. Parking in back at the True Value Hardware. Enter Main Street off hwy 18 at the Stop Light and turn North. Or from I-94 take hwy 26 into Jefferson and look for the Flag in front and a few blocks before Hwy 18. Bring picture ID and copies and originals of licenses and CSCE's. If you enter from the rear you can go upstairs to the test if the Bar is open. Test fee \$10 to ARRL/VEC. Please note that the Tri-County Amateur Radio Club March 17 Hamfest will be located at the Jefferson County Fairgrounds. Talkin on 145.49 Repeater. Information: www.cmdline.com/tcarc/.

#### Madison, WI

First Saturday monthly: 8 a.m. to 10 a.m. Space Place, 1605 South Park Street, Madison. Please bring a picture ID, your original license, a copy of your license, and the original and a copy of any relevant CSCEs, and a check for \$10.00 made out to the ARRL/VEC. No appointments are necessary to take exams. Exams start promptly at 8 a.m. Questions may be directed to Tim Czerwonka, WO9U, at 608-239-3696 (home phone) or sent to wo9u@arrl.net.

#### Medford, WI(ARRL/VEC)

Sponsored by the Taylor County Area Amateur Radio Club (ARRL/VEC affiliated). Tuesday, November 26th. Testing for all classes, Technician through Extra. Registration starts at 7:30 PM, testing starts at 8:00 PM. Location: the conference room of the Medford Public Library, 400 N. Main St., Medford, WI. From the intersection of State Hwys. 13 and 64, proceed west on Hwy. 64 to Main St. Turn north on Main St. and take Main St. to the library. Talk-in on the 147.15(+600 kHz, 114.8 Hz PL) repeater. Walk-ins welcome, however,

if you know you'll be attending, it would be appreciated if you call ahead. Contact: Tom Hrdina, N9GEN, 2373 Willow Ave., Medford, WI 54451, phone (715) 748-4054 or e-mail to Mike, N9GHZ, at mds54449@yahoo.com.

#### Menominee, MI

Marinette-Menominee Amateur Radio Club. Location: The cafeteria of Bay Area Med Center, US-41 in Menominee. Building located next to KFC just off the Interstate Bridge. All classes given. Advance notice preferred, but not required. Test fee is \$10 with two pieces of identification required. Contact Jeff Rymer, N9PQU at jrymer@ez-net.com or Ed Engleman, KG8CX, at dxer@cybrzn.com. We will monitor the 147.000 (107.2 pl) repeater in event further directions or info is needed.

#### Menomonie, WI

ARRL/VEC. Location: NEWUW-Stout Communications, Millennium Hall, Broadway & 10th Ave., Menomonie, WI. Contact: James P. Ley, 715-235-3998.

#### Milwaukee, WI

Badger Examiners (W5YI VEC) September thru April, every third Saturday morning, 9:30 a.m. to noon. Badger Examiners group tests at AES (Amateur Electronic Supply) at 60th and Good Hope, Milwaukee (use the entrance numbered 5730). Exams are given at the old Sterman Printing shop, just 300 feet west of the AES store. Novice to Extra are offered, and all test materials are provided. Fee is \$10.00, and bring your original license, or CSCE if needed. Also available are Commercial license exams GROL (General Radiotelephone license), GMDSS, Telegraph, Etc. Fee is \$35.00. For more information call Gary Sharbuno, WI9M at (414) 355-0237.

#### Milwaukee, WI

Milwaukee Radio Amateurs' Club (MRAC VEC) Last Saturday, except in March, June, August, and December. In addition, we test at the West Allis RAC Swapfest in January and at Superfest in April. 9:30 a.m. to noon at Amateur Electronic Supply (AES), 5710 W. Good Hope Road (the door you enter is actually numbered 5730), Milwaukee. For additional information, call (262) 797-MRAC. Bring along your original license, CSCE (if any),

and one (1) good quality photocopy of each, plus two forms of identification, such as a driver's license, etc. Also required is \$8.00 for the exam fee. Walkins are welcome. To register in advance, use a post card. Print the grade of license you are applying for, your name, address, and telephone number, and send the card to MRAC/VEC, Milwaukee Radio Amateurs Club, P.O. Box 070695, Milwaukee, WI 53207. Contact: John G. Kraak, 262-797-6722.

#### Onalaska, WI

Riverland ARC (ARRL/VEC). Onalaska Public Library, 741 Oak Street, Onalaska, WI. Contact: Roger Reader, KA9BKK, 608-783-0723, readers@centurytel.net.

#### Oshkosh, WI (Omro)

Oshkosh VE Team Amateur Radio exams monthly on the first Saturday. Registration begins at 8:30 a.m. and exams will be given from 9 a.m. until noon. Omro Community Center, 130 W. Larrabee, Omro, WI. Walkins welcomed. Bring a good quality photocopy of your original license and any other necessary documents such as a CSCE, etc. The first session will be through W5YI/VEC, and then sessions will alternate between ARRL/VEC and W5YI/VEC. The exam fee is \$6.65. For more information, please call Dick Lemme, K9FA, at (920) 235-0987, e-mail: lemme@vbe.com, or write Dick at 826 Jefferson Street, Oshkosh, WI 54901.

#### Racine, WI

ARRL VEC Monthly - first Saturday, except January, July, and August. Monthly exams are given 9 to 11 a.m. at the Faith United Methodist Church, 1013 Harmony Drive, Racine. Walk-ins are permitted. Talk in on 147.87/27. Inquiries and registrations should be directed to Robert N. Jensen, W0WLN, 5616 Cambridge lane #6, Racine, WI. Telephone (262) 886-8551. w0wln@juno.com.

VE testing dates in Sheboygan County, Wisconsin, for 2003 will be according to the following schedule:

#### Sheboygan, WI

Saturdays 8:30 AM, 10, 13 September

Tuesdays 6:30 PM, 18 March, 15 July. 18 November

Sheboygan County ARC (ARRL/ VEC). Exams are held in the Red Cross Building, 2032 Erie Avenue, Sheboygan, WI. The test areas are handicap accessible with signage posted to direct candidates to the proper area of the building. Walk-ins are accepted, however notification ahead of time of your intention to appear would be appreciated.

Contact: Art Pahr K9XJ  
920-876-2370  
N8029 Willow Road  
k9xj@arrl.net  
Plymouth, WI 53073-2929

Shell Lake, WI  
NORWESCO ARES/RACES (ARRL/VEC). Washburn County Law Enforcement Center, lower level meeting room, 421 Hwy 63, Shell Lake. Walk-ins allowed. This is for all classes of license. Persons wishing to upgrade an existing license should bring a photocopy of it to submit. Also need a photo ID to prove who you are. The fee is \$10.00. Contact: Richard J. Eckenrode, 715-466-4109. Email: cen34109@centurytel.net. Web Site: fp1.centurytel.net/norwesco/.

Tomahawk, WI  
Tomahawk ARRL VE Team (ARRL/ VEC). Last Saturday of every month, January thru October. Registration at 8:30 a.m. and testing starts at 9:00 a.m. For location or other information, inquire on 145.43 MHz. repeater or contact: Terry Collins, KB9AUP, W6564 Highway 8, Tomahawk, WI 54487. Telephone (715) 453-4633, dcollins@newnorth.net.

Wisconsin Rapids, WI

St. Lukes Lutheran Church. All classes, walkins welcome, registration 7:30 a.m. to 8:00 a.m. Contact Clde Deitz, KF9QA (715) 325-5521. [deitz@tznet.com](mailto:deitz@tznet.com)

St. Paul, MN  
Saint Paul Radio Club (SPRC) First Saturday of the month, 8:30 a.m. Test Site: St. Paul Technical College, 235 Marshall Ave., St Paul, MN. Ed VanCleave, W0VC, (612) 636-0108. [www.qsl.net/sprc/index.html](http://www.qsl.net/sprc/index.html).

Houghton, MI  
George R. Thurner, W8FWG, Team Liaison to ARRL for CCRAA/HARC Clubs, E-Mail: [gthur@up.net](mailto:gthur@up.net).

Rockford, IL  
Northern Illinois Volunteer Examiners (W5YI VEC) Third Saturday of every month. 9:00 a.m. to noon. No new applicants after 11:00 a.m. Walkins welcome. Held at North Suburban District Library, 6340 North Second St. (Hwy. 251), Loves Park, IL. Rusty Cordell, WB9QYV, 1823

Hulin St., Rockford, IL 61102-2619. (815) 968-0080. e-mail: [WB9QYV@aol.com](mailto:WB9QYV@aol.com).

Dubuque, IA  
Dubuque Hamfest Carl Clark, N0KAX, 2145 Delicia Drive, Dubuque, IA 52001. (319) 557-9149.